

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: January 8, 2004, 16:50:03 ; Search time 2 Seconds  
(without alignments)  
1.180 Million cell updates/sec

Title: us-09-904-568-3  
Perfect score: 1355  
Sequence: 1 gggcaggcagtgagtgga.....gtgttcaggcagggcccg 1355

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 0.5

Searched: 55 seqs, 871 residues

Total number of hits satisfying chosen parameters: 110

Minimum DB seq length: 12  
Maximum DB seq length: 50

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 60 summaries

Database : rst3.seq :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	47.4	3.5	50	1	ACCESSION:AU104179
2	15.6	1.2	22	1	ACCESSION:AZ355624
3	14.2	1.0	19	1	ACCESSION:AI702520
4	14	1.0	20	1	ACCESSION:AZ345513
5	13.4	1.0	19	1	ACCESSION:AA928040
6	13.4	1.0	19	1	ACCESSION:AZ465954
7	13.4	1.0	19	1	ACCESSION:AZ465954
8	13	1.0	18	1	ACCESSION:BM658677
9	12.8	0.9	18	1	ACCESSION:AL048754
10	12.4	0.9	16	1	ACCESSION:BM395265
11	11.8	0.9	15	1	ACCESSION:BM395265
12	11.6	0.9	50	1	ACCESSION:BM395265
13	11.4	0.8	13	1	ACCESSION:BM395265
14	11.4	0.8	13	1	ACCESSION:BM395265
15	11.4	0.8	13	1	ACCESSION:BM395265
16	11.4	0.8	13	1	ACCESSION:BM395265
17	11.4	0.8	14	1	ACCESSION:BM395265
18	11.4	0.8	14	1	ACCESSION:BM395265
19	11.4	0.8	14	1	ACCESSION:BM395265
20	11.4	0.8	14	1	ACCESSION:BM395265
21	11.4	0.8	14	1	ACCESSION:BM395265
22	11.4	0.8	14	1	ACCESSION:BM395265
23	11.4	0.8	14	1	ACCESSION:BM395265
24	11.4	0.8	14	1	ACCESSION:BM395265
25	11.4	0.8	14	1	ACCESSION:BM395265
26	11.4	0.8	14	1	ACCESSION:BM395265
27	11.4	0.8	14	1	ACCESSION:BM395265
28	11.4	0.8	14	1	ACCESSION:BM395265
29	11.4	0.8	15	1	ACCESSION:BM395265
30	11.4	0.8	15	1	ACCESSION:BM395265
31	11.4	0.8	15	1	ACCESSION:BM395265
32	11.4	0.8	15	1	ACCESSION:BM395265
33	11.4	0.8	15	1	ACCESSION:BM395265

34	11.4	0.8	15	1	BQ591170	ACCESSION:BQ591170
35	11.4	0.8	15	1	BQ591178	ACCESSION:BQ591178
36	11.4	0.8	15	1	BQ591223	ACCESSION:BQ591223
37	11.4	0.8	15	1	BQ594689	ACCESSION:BQ594689
38	11.4	0.8	15	1	BE230585	ACCESSION:BE230585
39	11.4	0.8	16	1	AA937877	ACCESSION:AA937877
40	11.4	0.8	16	1	BQ590166	ACCESSION:BQ590166
41	11.4	0.8	16	1	BQ590507	ACCESSION:BQ590507
42	11.4	0.8	16	1	BQ592965	ACCESSION:BQ592965
43	11.4	0.8	16	1	BQ595369	ACCESSION:BQ595369
44	11.4	0.8	16	1	BQ5983458	ACCESSION:BQ5983458
45	11.4	0.8	16	1	BQ592600	ACCESSION:BQ592600
46	11.4	0.8	16	1	BQ595717	ACCESSION:BQ595717
47	11.4	0.8	22	1	AZ355624	ACCESSION:AZ355624
48	11.2	0.8	16	1	AW248457	ACCESSION:AW248457
49	11.2	0.8	16	1	AW248958	ACCESSION:AW248958
50	10.8	0.8	15	1	AW245585	ACCESSION:AW245585
51	10.8	0.8	15	1	BQ594980	ACCESSION:BQ594980
52	10.8	0.8	15	1	CA796369	ACCESSION:CA796369
53	10.4	0.8	12	1	BQ582536	ACCESSION:BQ582536
54	10.4	0.8	12	1	BQ588719	ACCESSION:BQ588719
55	10.4	0.8	12	1	BQ594698	ACCESSION:BQ594698
56	10.4	0.8	12	1	BM394028	ACCESSION:BM394028
57	10.4	0.8	13	1	AW245585	ACCESSION:AW245585
58	10.2	0.8	15	1	AA928040	ACCESSION:AA928040
59	10.2	0.8	19	1	BQ594980	ACCESSION:BQ594980
60	8.6	0.6	15	1	BQ594980	ACCESSION:BQ594980

## ALIGNMENTS

RESULT 1  
LOCUS AU104179 50 bp mRNA linear EST 30-AUG-2001  
DEFINITION AU104179 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone  
ACCESSION AU104179  
VERSION AU104179.1 GI:13553700  
KEYWORDS EST.  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 50)  
AUTHORS Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata  
Y., Nakamura,Y., Suyama,A. and Sugano,S.  
Diverse transcriptional initiation revealed by fine, large-scale  
mapping of mRNA start sites  
EMBO Rep. 2 (5), 388-393 (2001)  
JOURNAL  
MEDLINE  
PUBMED  
COMMENT  
Contact: Yutaka Suzuki  
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Institute of Medical Science, University of Tokyo  
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan  
Email: ysuzuki@ims.u-tokyo.ac.jp  
Suzuki,Y., Yoshimoto-Nakagawa,K., Maruyama,K., and Sugano  
,S. Construction and characterization of a full length-enriched and  
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).

BASE COUNT  
17 a 11 c 12 g 10 t

Query Match 3.5%; Score 47.4; DB 1; Length 50;  
Best Local Similarity 98.0%; Pred. No. 2.4e-06;  
Matches 48; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCAGGCACTGAGTGATTAACCAACCAACCACTAGCGAAATCTTAG 51  
 Db 2 GCAGGCACTGAGTGATTAACCAACCACTAGCGAAATCTTAG 50

RESULT 2  
 AZ355624/c  
 LOCUS 22 bp DNA linear GSS 02-OCT-2000  
 DEFINITION clone UGCLM0095E22 F, genomic survey sequence.

ACCESSION  
 VERSION  
 KEYWORDS  
 SOURCE  
 ORGANISM

REFERENCE  
 AUTHORS  
 TITLE  
 JOURNAL  
 COMMENT

Trace considered overall poor quality  
 Insert Length: 10000 Std Error: 0.00  
 Seq primer: 0095 row: E column: 22  
 Class: plasmid ends  
 High quality sequence stop: 22.

FEATURES  
 source  
 1. 22  
 /organism="Mus musculus"  
 /mol\_type="genomic DNA"  
 /strain="C57BL/6J"  
 /db\_xref="taxon:10090"  
 /clone="UGCLM0095E22"  
 /sex="Male"  
 /lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
 /clone\_lib="Mouse 10kb plasmid UGCLM library"  
 /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 11 a 3 c 0 g 8 t  
 Query Match 1.2%; Score 15.6; DB 1; Length 22;  
 Best Local Similarity 81.8%; Pred. No. 4;  
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1114 TTCTGTTTAAATTCAAAAGAGA 1135  
 Db 22 TTTTITTTAAATTTAGAAAGAGA 1

RESULT 3  
 AI702520/c  
 LOCUS 19 bp mRNA linear EST 16-DEC-1999

DEFINITION t2679d5.x1 NCI CGAP Panl Homo sapiens cDNA clone IMAGE:2293688 3' similar to WP:D1007.7 CE09042 RNA-BINDING PROTEIN ; contains element MSRI repetitive element ; mRNA sequence.

ACCESSION  
 VERSION  
 KEYWORDS  
 SOURCE  
 ORGANISM

REFERENCE  
 AUTHORS  
 TITLE  
 JOURNAL  
 COMMENT

Trace considered overall poor quality  
 Insert Length: 2437 Std Error: 0.00  
 Seq primer: -400P from Gibco  
 High quality sequence stop: 1.  
 Location/Qualifiers  
 1. 19  
 /organism="Homo sapiens"  
 /mol\_type="mRNA"  
 /db\_xref="taxon:9606"  
 /clone="IMAGE:2293688"  
 /tissue\_type="adenocarcinoma"  
 /lab\_host="DH10B"  
 /clone\_lib="NCI-CGAP\_Panl"  
 /note="Organ: pancreas; Vector: pCMV-SPORT6; Site 1: SalI; Site 2: NotI; Cloned unidirectionally. Primer: Oligo dt. Average insert size 1.72 kb. Life Technologies catalog #: 11548-013"

BASE COUNT 2 a 2 c 15 g 0 t  
 Query Match 1.0%; Score 14.2; DB 1; Length 19;  
 Best Local Similarity 84.2%; Pred. No. 6.3;  
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 184 TTCCCCCGCCGCCACCCGG 202  
 Db 19 TTCCCCCGCCGCCACCCGG 1

RESULT 4  
 AZ345513  
 LOCUS 20 bp DNA linear GSS 29-SEP-2000  
 DEFINITION IM080J04F Mouse 10kb plasmid UGCLM library Mus musculus genomic clone UGCLM0080J04 F, genomic survey sequence.

ACCESSION  
 VERSION  
 KEYWORDS  
 SOURCE  
 ORGANISM

REFERENCE  
 1 (bases 1 to 20)



**AUTHORS** Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

**TITLE** Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

**JOURNAL** Unpublished

**COMMENT** Contact: Robert B. Weiss  
University of Utah Genome Center  
University of Utah  
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA  
Tel: 801 585 5606  
Fax: 801 585 7177  
Email: ddunn@genetics.utah.edu  
Insert length: 10000 Std Error: 0.00  
Plate: 0080 row: J column: 04  
Seq primer: CGTTGTAAACGACGGCCAGT  
Class: plasmid ends  
High quality sequence stop: 20.

**FEATURES** source  
1. 20  
/organism="Mus musculus"  
/mol\_type="genomic DNA"  
/strain="C57BL/6J"  
/db\_xref="taxon:10090"  
/clone="UUGC1M008004"  
/sex="Male"  
/lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
/clone\_lib="Mouse 10kb plasmid UUGC1M library"  
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male); was obtained from the Jackson Laboratory Mouse DNA Resource  
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI:4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

**BASE COUNT** 3 a 13 c 0 g 4 t  
Query Match 1.0%; Score 14; DB 1; Length 20;  
Best Local Similarity 100.0%; Pred. No. 7.4;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

**QY** 1208 ACCTCCCTCCCT 1221  
|||||  
1 ACCTCCCTCCCT 14

**Db**

**RESULT 5**  
AA928040  
**LOCUS** AA928040 19 bp mRNA linear EST 22-APR-1998  
**DEFINITION** ci58909.s1 NCI CGAP UN4 Homo sapiens cDNA clone IMAGE:1486912 3', similar to TR:004216 004216 EXTENSIN ; contains element MSR1 repetitive element ;, mRNA sequence.

**ACCESSION** AA928040  
**VERSION** AA928040.1 GI:3077196  
**KEYWORDS** EST.  
**SOURCE** Homo sapiens (human)  
**ORGANISM** Homo sapiens  
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

**AUTHORS** Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

**TITLE** Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

**JOURNAL** Unpublished

**COMMENT** Contact: Robert B. Weiss  
University of Utah Genome Center  
University of Utah  
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA  
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Fax: 801 585 7177  
Email: ddunn@genetics.utah.edu  
Insert length: 10000 Std Error: 0.00  
Plate: 0276 row: E column: 16

**REFERENCE**  
**AUTHORS**  
**TITLE**  
**JOURNAL**  
**COMMENT**

1 (bases 1 to 19)  
NCI/NIDR-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.  
National Cancer Institute / National Institute of Dental Research,  
Cancer Genome Anatomy Project (CGAP), Tumor Gene Index  
Unpublished  
Contact: Robert Strausberg, Ph.D.  
Email: cgapbs-r@mail.nih.gov  
Tissue Procurement: John Ensley, M.D.  
cDNA Library Preparation: Stratagene, Inc.  
cDNA Library Arrayed by: Greg Lennon, Ph.D.  
DNA Sequencing by: Washington University Genome Sequencing Center  
Clone distribution: NCI-CGAP clone distribution information can be  
found through the I.M.A.G.E. Consortium/MLNL at:  
www-bio.llnl.gov/bbrp/image/image.html

Trace considered overall poor quality  
Seq primer: -40ml3 fwd. ET from Amersham  
High quality sequence stop: 1.  
Location/Qualifiers

**FEATURES** source

1. 19  
/organism="Homo sapiens"  
/mol\_type="mRNA"  
/db\_xref="taxon:9606"  
/clone="IMAGE:1486912"  
/tissue\_type="squamous cell carcinoma"  
/lab\_host="SOLR (kanamycin resistant)"  
/clone\_lib="NCI CGAP HNA"  
/note="Organ: pharynx; Vector: Bluescript SK-; Site 1:  
EcoRI, Site 2: XhoI; Cloned unidirectionally. Primer:  
Oligo dt. Average insert size 1.5 kb. 5' adaptor sequence:  
5' GAATTCGACGACGAG 3' 3' adaptor sequence: 5' (GA  
)10ACTAGTCTCGAGTTTTTTTTTTTTTTT 3'."

**BASE COUNT** 2 a 1 c 11 g 5 t  
Query Match 1.0%; Score 13.4; DB 1; Length 19;  
Best Local Similarity 93.3%; Pred. No. 9.2;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

**QY** 659 TGGTCGGGACTTGG 673  
|||||  
5 TGGTCGGGACTTGG 19

**Db**

**RESULT 6**  
AZ465954  
**LOCUS** 1M0276E16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic  
**DEFINITION** clone UUGC1M0276E16 F, genomic survey sequence.

**ACCESSION** AZ465954  
**VERSION** AZ465954.1 GI:10624079  
**KEYWORDS** GSS.  
**SOURCE** Mus musculus (house mouse)  
**ORGANISM** Mus musculus  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
1 (bases 1 to 19)  
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,  
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,  
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.  
and Wright, D., Weiss, R.  
Mouse whole genome scaffolding with paired end reads from 10kb  
plasmid inserts  
Unpublished  
Contact: Robert B. Weiss  
University of Utah Genome Center  
University of Utah  
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT  
84112, USA  
Tel: 801 585 5606  
Fax: 801 585 7177  
Email: ddunn@genetics.utah.edu  
Insert length: 10000 Std Error: 0.00  
Plate: 0276 row: E column: 16

Seq primer: CGTTGTAACGACGCCAGT  
 Class: plasmid ends  
 High quality sequence stop: 19.  
 Location/Qualifiers

# FEATURES

source

1. .19  
 /organism="Mus musculus"  
 /mol\_type="genomic DNA"  
 /strain="C57BL/6J"  
 /db\_xref="taxon:10090"  
 /clone="UUGC1M0276B16"  
 /sex="Male"

/lab\_host="E. Coli strain XL10-Gold, Tl-resistant, F-"  
 /clone\_lib="Mouse 10kb plasmid UUGC1M library"  
 /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

## BASE COUNT

0 a 5 c 0 g 14 t

Query Match 1.0%; Score 13.4; DB 1; Length 19;  
 Best Local Similarity 93.3%; Pred. No. 9.2;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1142 CTTTTTCTTTT 1156  
 |||||  
 Db 4 CTTTTTCTTTT 18

## RESULT 7

AZ486389  
 LOCUS 19 bp DNA linear GSS 05-OCT-2000  
 DEFINITION clone UUGC1M0314E21 F, genomic survey sequence.

ACCESSION AZ486389.1 GI:10653117

VERSION GSS.

KEYWORDS Mus musculus (house mouse)

## SOURCE

ORGANISM Mus musculus  
 Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 1 (bases 1 to 19)

## REFERENCE

### AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.

## TITLE

Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

## JOURNAL

### COMMENT

Unpublished  
 Contact: Robert B. Weiss  
 University of Utah Genome Center  
 University of Utah  
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA  
 Tel: 801 585 5606  
 Fax: 801 585 7177  
 Email: ddunn@genetics.utah.edu  
 Insert Length: 10000 Std Error: 0.00  
 Plate: 0314 row: E column: 21

Seq primer: CGTTGTAACGACGCCAGT  
 Class: plasmid ends  
 High quality sequence stop: 19.  
 Location/Qualifiers

# FEATURES

source

1. .19  
 /organism="Mus musculus"  
 /mol\_type="genomic DNA"  
 /strain="C57BL/6J"  
 /db\_xref="taxon:10090"  
 /clone="UUGC1M0314E21"  
 /sex="Male"

/lab\_host="E. Coli strain XL10-Gold, Tl-resistant, F-"  
 /clone\_lib="Mouse 10kb plasmid UUGC1M library"  
 /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 7 a 2 c 7 g 3 t

Query Match 1.0%; Score 13.4; DB 1; Length 19;  
 Best Local Similarity 93.3%; Pred. No. 9.2;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1062 CTTTCCCATCAGGCA 1076  
 |||||  
 Db 18 CTTTCCCATCAGGCA 4

## RESULT 8

BM658677

## LOCUS

BM658677 18 bp mRNA linear EST 27-FEB-2002  
 DEFINITION LZV602768363.R1 CSBQFXL37 pig adrenal Sus scrofa cDNA, mRNA sequence.

## ACCESSION

BM658677

## VERSION

BM658677.1 GI:18958948

## KEYWORDS

EST.

## SOURCE

Sus scrofa (pig)

## ORGANISM

Sus scrofa  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.  
 1 (bases 1 to 18)

## REFERENCE

### AUTHORS

Adelson,D.L. and Gail,C.A.

## TITLE

Porcine ESTs

## JOURNAL

### COMMENT

Unpublished  
 Contact: David L. Adelson  
 Animal Breeding and Genetics  
 Texas A&M University  
 Animal Science Dept., TAMU-2471, College Station, TX 77843-2471, USA  
 Tel: 9798452616  
 Fax: 9798456970  
 Email: david.adelson@tamu.edu.  
 Location/Qualifiers

## FEATURES

source

1. .18  
 /organism="Sus scrofa"  
 /mol\_type="mRNA"  
 /db\_xref="taxon:9823"  
 /clone\_lib="CSEQFXL37 pig adrenal"

/note="Organ: adrenal gland; Vector: pBluescript SK+;  
 Site 1: NotI; Site 2: EcoRI; sequence 5' of the insert  
 (5'-NNN...NNNinsert)  
 GCGATTGGAGCTCCACCGCGGCGCGCGCTCGAG. Sequence 3' of  
 the inserts (AAGATTGCAATACAGCTATCGATACCGTGGACCTCGAG.  
 non-normalized library, sequenced 3' with M13 primer."  
 0 a 1 c 0 g 17 t

## BASE COUNT

Query Match 1.0%; Score 13; DB 1; Length 18;  
 Best Local Similarity 100.0%; Pred. No. 10;  
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1144 TTTTTCCTTTT 1156

Db 2 TTTTTCCTTTT 14

## RESULT 9

AL048754/c  
 LOCUS DKFPZ566L173 18 bp mRNA linear EST 30-APR-1999  
 DEFINITION DKFPZ566L173 mRNA sequence.

## ACCESSION

AL048754

## VERSION

AL048754.1 GI:4727825

## KEYWORDS

EST.

## SOURCE

Homo sapiens (human)

## ORGANISM

Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 1 (bases 1 to 18)  
 Koehrer, K., Beyer, A., Mewes, H.W., Gassenhuber, J. and Wiemann, S.  
 EST (Koehrer, et al.)  
 Unpublished  
 Contact: Koehrer K  
 MIPS

Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany.

## FEATURES

Location/Qualifiers  
 1. .18  
 /organism="Homo sapiens"  
 /mol\_type="mRNA"  
 /db\_xref="taxon:9606"  
 /clone="DKFPZ566L173"  
 /tissue\_type="kidney"  
 /dev\_stage="fetal"  
 /lab\_host="X1-2blue"  
 /clone\_lib="566 (synonym: hfk2)"  
 /note="Vector: pAMP1; Site.1: NotI; Site.2: Sall"

## BASE COUNT

16 a 1 c 0 g 1 t  
 Query Match 0.9%; Score 12.8; DB 1; Length 18;  
 Best Local Similarity 87.5%; Pred. No. 11;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1144 TTTTTCCTTTTGA 1159

Db 16 TTTTTCCTTTTGA 1

## RESULT 10

BQ590207  
 LOCUS E012843-024-019-015-T7 MP12-ADIS-024-storage root Beta vulgaris  
 DEFINITION cDNA clone 024-019-015 3-PRIME, mRNA sequence.

## ACCESSION

BQ590207

## VERSION

BQ590207.1 GI:26119790

## KEYWORDS

EST.

## SOURCE

Beta vulgaris

## ORGANISM

Beta vulgaris  
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;  
 Caryophyllales; Amaranthaceae; Beta.  
 1 (bases 1 to 16)  
 Herwig, R., Schulz, B., Weisshaar, B., Hennig, S., Steinfath, M.,

Drungowski, M., Stahl, D., Wruck, W., Menze, A., O'Brien, J., Lehrach, H.  
 and Radelof, U.

Construction of a 'unigene' cDNA clone set by oligonucleotide  
 fingerprinting allows access to 25 000 potential sugar beet genes  
 Plant J. 32 (5), 845-857 (2002)

## JOURNAL

## COMMENT

ADIS DNA core facility at MP12  
 Max-Planck-Institute for Plant Breeding Research  
 Carl-von-Linne Weg 10, 50829 Koeln, Germany  
 Fax: 00492215062851  
 Email: weisshaar@mpiz-koeln.mpg.de  
 Insert length: 16 Std Error: 0.00  
 Plate: 19 row: 0 column: 15  
 Seq primer: T7; GTAATACGACTCTACTATAGGC.

## FEATURES

Location/Qualifiers  
 1. .16  
 /organism="Beta vulgaris"  
 /mol\_type="mRNA"  
 /cultivar="KWS2320 (double haploid, monogerm breeding line  
 )" )  
 /db\_xref="GABI:189913"  
 /db\_xref="taxon:161934"  
 /clone="024-019-015"  
 /tissue\_type="storage root"  
 /lab\_host="EMDH10B"  
 /clone\_lib="MP12-ADIS-024-storage root"  
 /note="Vector: pCMVSPORT6; Site.1: Sall; Site.2: NotI;  
 cDNA library from sugar beet, library provided by KWS  
 Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:  
 b.schulz@kws.de; cloning sites Sall-NotI, primer sites and  
 orientation:  
 SP6-Sall-CCAGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:  
 Sequencing granted in the context of the GABI-Beet project  
 local PI: Dr. Katharina Schneider, coordinator: Prof.  
 Christian Jung; Sequence submission managed by  
 RZPD/GABI-Primary database: http://gabi.rzpd.de"

BASE COUNT 0 a 0 c 1 g 15 t  
 Query Match 0.9%; Score 12.4; DB 1; Length 16;  
 Best Local Similarity 92.9%; Pred. No. 12;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1144 TTTTTCCTTTTG 1157

Db 3 TTTTTCCTTTTG 16

## RESULT 11

AW248954  
 LOCUS 2819408.3prime NIH\_MGC\_7 Homo sapiens cDNA clone IMAGE:2819408 3',  
 DEFINITION mRNA sequence.

## ACCESSION

AW248954

## VERSION

AW248954.1 GI:6591947

## KEYWORDS

EST.

## SOURCE

Homo sapiens (human)

## ORGANISM

Homo sapiens

## REFERENCE

1 (bases 1 to 15)

## AUTHORS

NIH-MGC

## TITLE

National Institutes of Health, Mammalian Gene Collection (MGC)

## JOURNAL

Unpublished

## COMMENT

Other ESTs: 2819408.5prime  
 Contact: Robert Strausberg, Ph.D.  
 Email: cgabbs-remail.nih.gov  
 Tissue Procurement: DCTD/DTF cDNA Library Preparation: Ling  
 Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.  
 Consortium (ILNLI) DNA Sequencing by: Berkeley MGC sequencing  
 project Clone distribution: MGC clone distribution information can  
 be found through the I.M.A.G.E. Consortium/ILNLI at:  
 www-bio.lnli.gov/bbrp/image/image.html Base Calling / Quality  
 Scores: PHRED from University of Washington Genome Center. Vector

Trimming: cross match from University of Washington Genome Center  
 PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley  
 Drosophila Genome Project. University of Washington Genome Center:  
<http://www.genome.washington.edu> Low Quality Sequence: 8 contiguous  
 PHRED high quality bases following vector sequence. Very Low  
 Quality Sequence: Trace file contained 15 contiguous distinct peaks  
 following vector sequence. Polyadenylation: Based upon the presence  
 of a XhoI site followed by a run of 14 or more T residues at the  
 beginning of the sequence, this cDNA insert was polyadenylated.  
 Plate: LILCM1 row: I column: 9  
 High quality sequence stop: 8.  
 Location/Qualifiers

## FEATURES

source

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1..15
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2819408"
/tissue_type="small cell carcinoma"
/cell_line="MGC3"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH MGC 7"
/notes="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2:
EcoRI; cDNA made by oligo-dT priming. Directionally
cloned into EcoRI/XhoI sites using the following 5'
adaptor: GGCACGAG(G). Size-selected >500bp for average
insert size 1.8kb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
```

## BASE COUNT

```

2 a 0 c 3 g 10 t
Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 14;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 1146 TTTTCTTTTGGAA 1160

```

||||| ||||| |||||
Db 1 TTTTCTTTTGGAA 15
```

## RESULT 12

```

AU104179/c
AU104179 50 bp mRNA linear EST 30-AUG-2001
DEFINITION Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
KAT00509, mRNA sequence.
AU104179
VERSION AU104179.1 GI:13553700
KEYWORDS EST.
SOURCE Homo sapiens (human)
```

## ORGANISM

```

Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
```

## REFERENCE

```

AUTHORS Suzuki.Y., Taira.H., Tsunoda.T., Mizushima-Sugano.J., Sese,J., Hata
.H., Oca.T., Isogai.T., Tanaka.T., Morishita.S., Okubo.K., Sakaki
.Y., Nakamura.Y., Suyama.A. and Sugano,S.
```

## TITLE

```

Diverse transcriptional initiation revealed by fine, large-scale
mapping of mRNA start sites
```

## JOURNAL

```

EMBO Rep. 2 (5), 388-393 (2001)
```

## MEDLINE

```

21270072
```

## PubMed

```

11375929
```

## COMMENT

```

Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki.Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
.S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
```

## FEATURES

source

```

1..50
/organism="Homo sapiens"
/mol_type="mRNA"
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/db_xref="taxon:9606"
/clone="KAT00509"
/clone_lib="Sugano Homo sapiens cDNA library"
BASE COUNT 17 a 11 c 12 g 10 t
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## Query Match

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Best Local Similarity 54.8%; Score 11.6; DB 1; Length 50;
Matches 23; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
```

QY 754 GACTTCGGTGGCGGTGGATGTAGCAATCTCCACGATGCC 795

```

||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 46 GATTTTGGTAGCTGGGTATGGTTTAAATCCACCTCAACTGCC 5
```

## RESULT 13

```

BQ589180 13 bp mRNA linear EST 06-DEC-2002
LOCUS BQ589180
DEFINITION S014009-024-015-122-T7 MP1Z-ADIS-024-storage root Beta vulgaris
cDNA clone 024-015-122 3-PRIME, mRNA sequence.
```

## ACCESSION

```

BQ589180
```

## VERSION

```

BQ589180.1 GI:26118763
```

## KEYWORDS

```

EST.
```

## SOURCE

```

Beta vulgaris
```

## ORGANISM

```

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
```

## REFERENCE

```

1 (bases 1 to 13)
```

## AUTHORS

```

Herwig,R.; Schulz,B.; Weishaar,B.; Hennig,S.; Steinfath,M.;
Drungowski,M.; Stahl,D.; Wruck,W.; Menze,A.; O'Brien,J.; Lehrach,H.
and Radelof,U.
```

## TITLE

```

Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
```

## JOURNAL

```

Plant J. 32 (5), 845-857 (2002)
```

## COMMENT

```

Contact: Weishaar B
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weishaar@mpiz-koeln.mpg.de
```

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Insert length: 13 Std Error: 0.00
Plate: 15 row: I column: 22
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```
Seq primer: T7; GTAATACGACTCATATAGG3C.
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## FEATURES

```

Location/Qualifiers
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1..13
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/organism="Beta vulgaris"
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/mol_type="mRNA"
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```
/cultivar="KWS2320 (double haploid, monogerm breeding line)"
```

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/db_xref="GABI:187886"
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/db_xref="taxon:161934"
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/clone="024-015-122"
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/tissue_type="storage root"
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/lab_host="EMDH10B"
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/clone_lib="MP1Z-ADIS-024-storage root"
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```
/note="Vector: pCMVSPORT6; Site 1: Sall; Site 2: NotI;
```

```
cDNA library from sugar beet, library provided by KWS
```

```
Kleinwanzlebener Saatgut AG Binbeck, Germany, contact:
```

```
b.schulz@kws.de; cloning sites Sall-NotI, primer sites and
```

```
orientation:
```

```
SP6-Sall-CCACGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
```

```
Sequencing granted in the context of the GABI-Beet project
```

```
, local PI: Dr. Katharina Schneider, coordinator: Prof.
```

```
Christian Jung; Sequence submission managed by
```

```
RZPD/GABI-Primary database: http://gabi.rzpd.de
```

```
0 a 0 c 0 g 13 t
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## BASE COUNT

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Query Match 0.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 14;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1144 TTTTCTTTT 1156

```

||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
```

```

Db      1 TTTTTTTTTTTTTT 13

RESULT 14
BM395265/c
LOCUS   BM395265
DEFINITION
Tetrahymena thermophila cDNA (large fraction)
ACCESSION
BM395265
VERSION
BM395265.1 GI:18195318
KEYWORDS
EST.
SOURCE
Tetrahymena thermophila
ORGANISM
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
REFERENCE
1 (bases 1 to 13)
AUTHORS
Turkewitz,A.P., Karzer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel
J. and Klobutcher,L.
TITLE
EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL
Unpublished
COMMENT
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.

FEATURES
            Location/Qualifiers
            1..13
            /organism="Tetrahymena thermophila"
            /mol_type="mRNA"
            /strain="CU428.1"
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            /clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
            /note="Vector: Bluescript2 SK+; Details on library
            preparation can be found in Chilcoat and Turkewitz (2001)
            Proc. Natl. Acad. Sci USA, 98: 8709-8713."
BASE COUNT      1 a      6 c      3 g      3 t
Query Match      0.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 14;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY      414 AGGGGAGCTAGAC 426
        ||||| |||||
Db      13 AGGGGAGCTAGAC 1

RESULT 15
BM3953549/c
LOCUS   BM3953549
DEFINITION
CDNA clone 024-005-C14-SP6 MP1Z-ADIS-024-inflorescence Beta vulgaris
ACCESSION
BM3953549
VERSION
BM3953549.1 GI:26113126
KEYWORDS
EST.
SOURCE
Beta vulgaris
ORGANISM
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
REFERENCE
1 (bases 1 to 13)
AUTHORS
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL
Plant J. 32 (5), 845-857 (2002)
COMMENT
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Email: weisssha@mpiz-koeln.mpg.de
Fax: 00492215062851
Insert Length: 13 Std Error: 0.00
Plate: 19 row: G column: 12
Seq primer: SP6; CATACGATTAGTGACACTATAG.
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            /mol_type="mRNA"
            /cultivar="KWS2320 (double haploid, monogerm breeding line
            )"

FEATURES
            Location/Qualifiers
            1..13
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            /mol_type="mRNA"
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            )"
            /db_xref="GABI:183152"
            /db_xref="taxon:161934"
            /clone="024-005-C14"
            /tissue_type="inflorescence"
            /lab_host="EMDH105"
            /clone_lib="MP1Z-ADIS-024-inflorescence"
            /note="Vector: pCMVSPORT6; Site 1: SalI; Site 2: NotI;
            cDNA library from sugar beet, library provided by KWS
            Kleinwanzlebener Saatucht AG Einbeck, Germany, contact:
            b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
            orientation:
            SP6-Sali-CCACGGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
            Sequencing granted in the context of the GABI-Beet project
            , local PI: Dr. Katharina Schneider, coordinator: Prof.
            Christian Jung; Sequence submission managed by
            RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT      13 a      0 c      0 g      0 t
Query Match      0.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 14;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY      1144 TTTTTTCTTTTT 1156
        ||||| |||||
Db      13 TTTTTTCTTTTT 1

RESULT 16
BM3950337/c
LOCUS   BM3950337
DEFINITION
CDNA clone 024-019-G12-SP6 MP1Z-ADIS-024-storage root Beta vulgaris
ACCESSION
BM3950337
VERSION
BM3950337.1 GI:26119920
KEYWORDS
EST.
SOURCE
Beta vulgaris
ORGANISM
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
REFERENCE
1 (bases 1 to 13)
AUTHORS
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL
Plant J. 32 (5), 845-857 (2002)
COMMENT
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Email: weisssha@mpiz-koeln.mpg.de
Fax: 00492215062851
Insert Length: 13 Std Error: 0.00
Plate: 19 row: G column: 12
Seq primer: SP6; CATACGATTAGTGACACTATAG.
            Location/Qualifiers
            1..13
            /organism="Beta vulgaris"
            /mol_type="mRNA"
            /cultivar="KWS2320 (double haploid, monogerm breeding line
            )"

FEATURES
            Location/Qualifiers
            1..13
            /organism="Beta vulgaris"
            /mol_type="mRNA"
            /cultivar="KWS2320 (double haploid, monogerm breeding line
            )"

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/db xref="taxon:161934"
/clone="024-019-G12"
/tissue type="storage root"
/lab host="EMDH10B"
/clone_lib="MP1Z-ADIS-024-storage root"
/notes="Vector: pCMVSPORT6; Site 1: Sali; Site 2: Noti;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatztucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT      13 a      0 c      0 g      0 t
Query Match      0.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 14;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156
Db      13 TTTTTCCTTTT 1

RESULT 17
BQ586422
LOCUS      14 bp      mRNA      linear      EST 06-DEC-2002
DEFINITION      S013307-024-013-002-T7 MP1Z-ADIS-024-leaf Beta vulgaris cDNA clone
ACCESSION      BQ586422
VERSION      BQ586422.1 GI:26116004
KEYWORDS      EST.
SOURCE      Beta vulgaris
ORGANISM      Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
REFERENCE      1 (bases 1 to 14)
AUTHORS      Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE      Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL      Plant J. 32 (5), 845-857 (2002)
COMMENT      Contact: Weisshaar B
Max-planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@mpiz-koeln.mpg.de
Insert Length: 14 Std Error: 0.00
Plate: 13 row: 0 column: 02
Seq primer: T7; GTAATACGACTCACTATAGGCG.
FEATURES
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            /db_xref="taxon:161934"
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            /tissue type="leaf"
            /lab host="EMDH10B"
            /clone_lib="MP1Z-ADIS-024-leaf"
            /notes="Vector: pCMVSPORT6; Site 1: Sali; Site 2: Noti;
            cDNA library from sugar beet, library provided by KWS
            Kleinwanzlebener Saatztucht AG Einbeck, Germany, contact:
            b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
            orientation:
            SP6-Sali-CCACGCTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
            Sequencing granted in the context of the GABI-Beet project
            , local PI: Dr. Katharina Schneider, coordinator: Prof.
            Christian Jung; Sequence submission managed by
            RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT      13 a      0 c      0 g      0 t
Query Match      0.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 14;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156
Db      13 TTTTTCCTTTT 1

RESULT 18
BQ587890
LOCUS      14 bp      mRNA      linear      EST 06-DEC-2002
DEFINITION      S013302-024-009-B02-T7 MP1Z-ADIS-024-leaf Beta vulgaris cDNA clone
ACCESSION      BQ587890
VERSION      BQ587890.1 GI:26117472
KEYWORDS      EST.
SOURCE      Beta vulgaris
ORGANISM      Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
REFERENCE      1 (bases 1 to 14)
AUTHORS      Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE      Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL      Plant J. 32 (5), 845-857 (2002)
COMMENT      Contact: Weisshaar B
Max-planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@mpiz-koeln.mpg.de
Insert Length: 14 Std Error: 0.00
Plate: 9 row: B column: 02
Seq primer: T7; GTAATACGACTCACTATAGGCG.
FEATURES
    source
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            /mol_type="mRNA"
            /cultivar="KWS2320 (double haploid, monogerm breeding line
            )"
            /db_xref="GABI:184980"
            /db_xref="taxon:161934"
            /clone="024-009-B02"
            /tissue type="leaf"
            /lab host="EMDH10B"
            /clone_lib="MP1Z-ADIS-024-leaf"
            /notes="Vector: pCMVSPORT6; Site 1: Sali; Site 2: Noti;
            cDNA library from sugar beet, library provided by KWS
            Kleinwanzlebener Saatztucht AG Einbeck, Germany, contact:
            b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
            orientation:
            SP6-Sali-CCACGCTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
            Sequencing granted in the context of the GABI-Beet project
            , local PI: Dr. Katharina Schneider, coordinator: Prof.
            Christian Jung; Sequence submission managed by
            RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT      0 a      0 c      0 g      14 t
Query Match      0.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1144 TTTTTCCTTTT 1156
Db 1 TTTTTCCTTTT 13

RESULT 19
BQ589191 14 bp mRNA linear EST 06-DEC-2002
LOCUS S014009-024-015-120-T7 MP1Z-ADIS-024-storage root Beta vulgaris
DEFINITION cDNA clone 024-015-120 3-PRIME, mRNA sequence.
ACCESSION BQ589191
VERSION BQ589191.1 GI:26118774
KEYWORDS EST.
SOURCE Beta vulgaris
ORGANISM Beta vulgaris

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 14)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
Plant J. 32 (5), 845-857 (2002)
Contact: Weisshaar B
ADIS DNA core facility at MP1Z
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@mpiz-koeln.mpg.de
Insert Length: 14 Std Error: 0.00
Plate: 15 row: I column: 20
Seq primer: T7; GTAATACCACTCACTATAGGC.
Location/Qualifiers
1..14
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding line
)"
/db_xref="GABI:187878"
/db_xref="taxon:161934"
/clone="024-015-120"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MP1Z-ADIS-024-storage root"
/note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT 0 a 0 c 0 g 14 t

Query Match 0.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156
Db 1 TTTTTCCTTTT 13

RESULT 21
BQ590261 14 bp mRNA linear EST 06-DEC-2002
LOCUS E012844-024-019-K14-T7 MP1Z-ADIS-024-storage root Beta vulgaris
DEFINITION cDNA clone 024-019-K14 3-PRIME, mRNA sequence.
ACCESSION BQ590261
VERSION BQ590261.1 GI:26119844
KEYWORDS EST.
SOURCE Beta vulgaris
ORGANISM Beta vulgaris

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 14)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
Plant J. 32 (5), 845-857 (2002)
Contact: Weisshaar B
ADIS DNA core facility at MP1Z
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@mpiz-koeln.mpg.de
Insert Length: 14 Std Error: 0.00
Plate: 15 row: I column: 20
Seq primer: T7; GTAATACCACTCACTATAGGC.
Location/Qualifiers
1..14
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding line
)"
/db_xref="GABI:187878"
/db_xref="taxon:161934"
/clone="024-015-120"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MP1Z-ADIS-024-storage root"
/note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT 0 a 0 c 0 g 14 t

Query Match 0.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156
Db 1 TTTTTCCTTTT 13

RESULT 20
BQ590242 14 bp mRNA linear EST 06-DEC-2002
LOCUS E012840-024-019-E16-SP6 MP1Z-ADIS-024-storage root Beta vulgaris
DEFINITION cDNA clone 024-019-E16 5-PRIME, mRNA sequence.
ACCESSION BQ590242

```

**TITLE**  
Construction of a 'unigene' cDNA clone set by oligonucleotide  
fingerprinting allows access to 25 000 potential sugar beet genes

**JOURNAL**  
Plant J. 32 (5), 845-857 (2002)

**COMMENT**  
Contact: Weisshaar B  
ADIS DNA core facility at MPZ  
Max-Planck-Institute for Plant Breeding Research  
Carl-von-Linne Weg 10, 50829 Koeln, Germany  
Fax: 00492215062851  
Email: weisshaar@mpiz-koeln.mpg.de  
Insert Length: 14 Std Error: 0.00  
Plate: 19 row: K column: 14  
Seq primer: T7; GTAATACGACTCACTATAGGCG.

**FEATURES**  
Location/Qualifiers  
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/organism="Beta vulgaris"  
/mol\_type="mRNA"  
/cultivar="KWS2320 (double haploid, monogerm breeding line)"  
/db\_xref="GABI:189851"  
/db\_xref="taxon:161934"  
/clone="024-019-K14"  
/tissue\_type="storage root"  
/lab\_host="EMDH10B"  
/clone\_lib="MPZ-ADIS-024-storage root"  
/note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;  
cDNA library from sugar beet, library provided by KWS  
Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:  
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and  
orientation:  
SP6-Sali-CCACGGGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:  
Sequencing granted in the context of the GABI-Beet project  
, local PI: Dr. Katharina Schneider, coordinator: Prof.  
Christian Jung; Sequence submission managed by  
RZPD/GABI-Primary database: http://gabi.rzpd.de"

**BASE COUNT**  
0 a 0 c 0 g 14 t

**Query Match**  
Best Local Similarity 0.8%; Score 11.4; DB 1; Length 14;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

**QY** 1144 TTTTTCCTTTT 1156  
|||||  
**Db** 1 TTTTTCCTTTT 13

**RESULT 22**  
BQ591168  
**LOCUS**  
E012715-024-017-H18-T7 MPZ-ADIS-024-storage root Beta vulgaris  
14 bp mRNA linear EST 06-DEC-2002  
**DEFINITION**  
cDNA clone 024-017-H18 3-PRIME, mRNA sequence.

**ACCESSION**  
BQ591168  
**VERSION**  
BQ591168.1 GI:26120751  
**KEYWORDS**  
EST.  
**SOURCE**  
Beta vulgaris  
**ORGANISM**  
Beta vulgaris  
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;  
Caryophyllales; Amaranthaceae; Beta.  
1 (bases 1 to 14)  
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,  
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.  
and Radelof,U.

**REFERENCE**  
**AUTHORS**  
Construction of a 'unigene' cDNA clone set by oligonucleotide  
fingerprinting allows access to 25 000 potential sugar beet genes  
Plant J. 32 (5), 845-857 (2002)  
Contact: Weisshaar B  
ADIS DNA core facility at MPZ  
Max-Planck-Institute for Plant Breeding Research  
Carl-von-Linne Weg 10, 50829 Koeln, Germany  
Fax: 00492215062851  
Email: weisshaar@mpiz-koeln.mpg.de  
Insert Length: 14 Std Error: 0.00  
Plate: 17 row: H column: 18

**FEATURES**  
source  
Location/Qualifiers  
1. .14  
/organism="Beta vulgaris"  
/mol\_type="mRNA"  
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/db\_xref="GABI:188939"  
/db\_xref="taxon:161934"  
/clone="024-017-H18"  
/tissue\_type="storage root"  
/lab\_host="EMDH10B"  
/clone\_lib="MPZ-ADIS-024-storage root"  
/note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;  
cDNA library from sugar beet, library provided by KWS  
Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:  
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and  
orientation:  
SP6-Sali-CCACGGGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:  
Sequencing granted in the context of the GABI-Beet project  
, local PI: Dr. Katharina Schneider, coordinator: Prof.  
Christian Jung; Sequence submission managed by  
RZPD/GABI-Primary database: http://gabi.rzpd.de"

**BASE COUNT**  
0 a 0 c 0 g 14 t

**Query Match**  
Best Local Similarity 0.8%; Score 11.4; DB 1; Length 14;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

**QY** 1144 TTTTTCCTTTT 1156  
|||||  
**Db** 1 TTTTTCCTTTT 13

**RESULT 23**  
BQ591176  
**LOCUS**  
E012715-024-017-N20-T7 MPZ-ADIS-024-storage root Beta vulgaris  
14 bp mRNA linear EST 06-DEC-2002  
**DEFINITION**  
cDNA clone 024-017-N20 3-PRIME, mRNA sequence.

**ACCESSION**  
BQ591176  
**VERSION**  
BQ591176.1 GI:26120759  
**KEYWORDS**  
EST.  
**SOURCE**  
Beta vulgaris  
**ORGANISM**  
Beta vulgaris  
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;  
Caryophyllales; Amaranthaceae; Beta.  
1 (bases 1 to 14)  
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,  
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.  
and Radelof,U.

**REFERENCE**  
**AUTHORS**  
Construction of a 'unigene' cDNA clone set by oligonucleotide  
fingerprinting allows access to 25 000 potential sugar beet genes  
Plant J. 32 (5), 845-857 (2002)  
Contact: Weisshaar B  
ADIS DNA core facility at MPZ  
Max-Planck-Institute for Plant Breeding Research  
Carl-von-Linne Weg 10, 50829 Koeln, Germany  
Fax: 00492215062851  
Email: weisshaar@mpiz-koeln.mpg.de  
Insert Length: 14 Std Error: 0.00  
Plate: 17 row: N column: 20  
Seq primer: T7; GTAATACGACTCACTATAGGCG.

**FEATURES**  
source  
Location/Qualifiers  
1. .14  
/organism="Beta vulgaris"  
/mol\_type="mRNA"  
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/db\_xref="GABI:188947"  
/db\_xref="taxon:161934"  
/clone="024-017-N20"  
/tissue\_type="storage root"



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/lab_host="EMDH10B"
/clone_lib="MPIZ-ADIS-024-storage root"
/notes="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT      0 a      0 c      0 g      14 t

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Query Match      0.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      1144 TTTTTCCTTTT 1156
           |||||
Db      1 TTTTTCCTTTT 13

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```

RESULT 24
BQ591207
LOCUS      BQ591207      14 bp      mRNA      linear      EST 06-DEC-2002
DEFINITION      E012715-024-017-B04-T7 MPIZ-ADIS-024-storage root Beta vulgaris
ACCESSION      BQ591207
VERSION      BQ591207.1 GI:26120790
KEYWORDS      EST.
SOURCE      Beta vulgaris
ORGANISM      Beta vulgaris

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REFERENCE
AUTHORS      Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE      Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
Plant J. 32 (5), 845-857 (2002)
JOURNAL
COMMENT      ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@mpiz-koeln.mpg.de
Insert Length: 14 Std Error: 0.00
Plate: 17 row: B column: 04
Seq primer: T7; GTAATACGACTCACTATAGGCG.
Location/Qualifiers
1. 14
/organism="Beta vulgaris"
/mol_type="mRNA"
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)"
/db_xref="GABI:188904"
/db_xref="taxon:161934"
/clone="024-017-B04"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MPIZ-ADIS-024-storage root"
/notes="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"

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```

BASE COUNT      0 a      0 c      0 g      14 t

```

```

Query Match      0.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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```

QY      1144 TTTTTCCTTTT 1156
           |||||
Db      1 TTTTTCCTTTT 13

```

```

BASE COUNT      0 a      0 c      0 g      14 t

```

```

Query Match      0.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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```

QY      1144 TTTTTCCTTTT 1156
           |||||
Db      1 TTTTTCCTTTT 13

```

```

RESULT 25
BQ591380
LOCUS      BQ591380      14 bp      mRNA      linear      EST 06-DEC-2002
DEFINITION      E012714-024-017-B15-T7 MPIZ-ADIS-024-storage root Beta vulgaris
ACCESSION      BQ591380
VERSION      BQ591380.1 GI:26120963
KEYWORDS      EST.
SOURCE      Beta vulgaris
ORGANISM      Beta vulgaris

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```

REFERENCE
AUTHORS      Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE      Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
Plant J. 32 (5), 845-857 (2002)
JOURNAL
COMMENT      ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@mpiz-koeln.mpg.de
Insert Length: 14 Std Error: 0.00
Plate: 17 row: B column: 15
Seq primer: T7; GTAATACGACTCACTATAGGCG.
Location/Qualifiers
1. 14
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)"
/db_xref="GABI:188734"
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/clone="024-017-B15"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MPIZ-ADIS-024-storage root"
/notes="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"

```

```

BASE COUNT      0 a      0 c      0 g      14 t

```

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Query Match      0.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

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QY      1144 TTTTTCCTTTT 1156
           |||||
Db      1 TTTTTCCTTTT 13

```

```

RESULT 26
BQ591482
LOCUS
DEFINITION E012713-024-017-M04-T7 MP1Z-ADIS-024-storage root Beta vulgaris EST 06-DEC-2002
ACCSSION BQ591482
VERSION BQ591482.1 GI:26121065
KEYWORDS
SOURCE
ORGANISM Beta vulgaris

REFERENCE
AUTHORS Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 14)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL Plant J. 32 (5), 845-857 (2002)
COMMENT ADIS DNA core facility at MP1Z
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@piz-koeln.mpg.de
Insert Length: 14 Std Error: 0.00
Plate: 17 row: M column: 04
Seq primer: T7: GTAATACGACTACTATAGGC.
FEATURES
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Location/Qualifiers
1..14
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/cultivar="KWS2320 (double haploid, monogerm breeding line)"
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/clone="024-017-M04"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MP1Z-ADIS-024-storage root"
/note="Vector: PCMVSPORT6; Site_1: Sali; Site_2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT 0 a 0 c 0 g 14 t
Query Match 0.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156
Db 1 TTTTTCCTTTT 13

RESULT 27
BQ591949
LOCUS
DEFINITION E012580-024-016-C15-SP6 MP1Z-ADIS-024-storage root Beta vulgaris EST 06-DEC-2002
ACCSSION BQ591949
VERSION BQ591949.1 GI:26121532
KEYWORDS
SOURCE
ORGANISM Beta vulgaris

REFERENCE
AUTHORS Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 14)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL Plant J. 32 (5), 845-857 (2002)
COMMENT ADIS DNA core facility at MP1Z
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@piz-koeln.mpg.de
Insert Length: 14 Std Error: 0.00
Plate: 17 row: M column: 04
Seq primer: T7: GTAATACGACTACTATAGGC.
FEATURES
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/cultivar="KWS2320 (double haploid, monogerm breeding line)"
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/db_xref="taxon:161934"
/clone="024-017-M04"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MP1Z-ADIS-024-storage root"
/note="Vector: PCMVSPORT6; Site_1: Sali; Site_2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT 0 a 0 c 0 g 14 t
Query Match 0.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156
Db 1 TTTTTCCTTTT 13

RESULT 28
BQ593052
LOCUS
DEFINITION E012375-024-028-C03-SP6 MP1Z-ADIS-024-developing root Beta vulgaris EST.
ACCSSION BQ593052
VERSION BQ593052.1 GI:26122635
KEYWORDS
SOURCE
ORGANISM Beta vulgaris

REFERENCE
AUTHORS Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 14)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL Plant J. 32 (5), 845-857 (2002)
COMMENT ADIS DNA core facility at MP1Z
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@piz-koeln.mpg.de
Insert Length: 14 Std Error: 0.00
Plate: 16 row: C column: 15
Seq primer: SP6: CATACGATTAGTGCACACTATAG.
FEATURES
source
Location/Qualifiers
1..14
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding line)"
/db_xref="GABI:188168"
/db_xref="taxon:161934"
/clone="024-016-C15"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MP1Z-ADIS-024-storage root"
/note="Vector: PCMVSPORT6; Site_1: Sali; Site_2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT 1 a 0 c 1 g 12 t
Query Match 0.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1145 TTTTTCCTTTT 1157
Db 2 TTTTTCCTTTT 14

```

ADIS DNA core facility at MPiZ  
 Max-Planck-Institute for Plant Breeding Research  
 Carl-von-Linne Weg 10, 50829 Koeln, Germany  
 Fax: 00492215062851  
 Email: weissaha@mpiz-koeln.mpg.de  
 Insert Length: 14 Std Error: 0.00  
 Plate: 28 row: C column: 03  
 Seq primer: SP6; CATACGATTAGTGACACTATAG.

# FEATURES

Location/Qualifiers

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1..14
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding line)"
/db_xref="GABI:193808"
/db_xref="taxon:161934"
/clone="024-028-C03"
/tissue_type="developing root"
/lab_host="EMDH108"
/clone_lib="MPiZ-ADIS-024-developing root"
/notes="Vector: PCMVSPORT6; Site 1: Sali; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatgut AG Binbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"
```

## BASE COUNT

```
0 a 0 c 0 g 14 t
```

Query Match 0.8%; Score 11.4; DB 1; Length 14;  
 Best Local Similarity 92.3%; Pred. No. 15;  
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156

Db 1 TTTTTCCTTTT 13

## RESULT 29

AW250872 15 bp mRNA linear EST 07-JAN-2000  
 LOCUS 2821138.3prime NIH\_MGC\_7 Homo sapiens cDNA clone IMAGE:2821138 3',  
 DEFINITION mRNA sequence.  
 ACCESSION AW250872  
 VERSION AW250872.1 GI:6593865  
 KEYWORDS EST.  
 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 NIH-MGC http://mgc.nci.nih.gov/  
 National Institutes of Health, Mammalian Gene Collection (MGC)  
 Unpublished  
 Other ESTs: 2821138.5prime  
 Contact: Robert Strausberg, Ph.D.  
 Email: cgabsa-remail.nih.gov  
 Tissue Procurement: DCTD/PTP cDNA Library Preparation: Ling  
 Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.  
 Consortium (LLNL) DNA sequencing by: Berkeley MGC sequencing  
 Project Clone distribution: MGC clone distribution information can  
 be found through the I.M.A.G.E. Consortium/LLNL at:  
 www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality  
 Scores: PHRED from University of Washington Genome Center. Vector  
 Trimming: cross match from University of Washington Genome Center.  
 PHRAP suite. Poly-T Identification of Washington Genome Center.  
 Drosophila Genome Project. University of Washington Genome Center:  
 http://www.genome.washington.edu Low Quality Sequence: 8 contiguous  
 PHRED high quality bases following vector sequence. Very Low  
 Quality Sequence: Trace file contained 15 contiguous distinct peaks

## REFERENCE

### AUTHORS

### JOURNAL

### COMMENT

following vector sequence. Polyadenylation: Based upon the presence  
 of a XhoI site followed by a run of 14 or more T residues at the  
 beginning of the sequence, this cDNA insert was polyadenylated.

Plate: L1CM6 row: A column: 11  
 High quality sequence stop: 8.

## FEATURES

Location/Qualifiers

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1..15
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2821138"
/tissue_type="small cell carcinoma"
/cell_line="MGC3"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_7"
/notes="Organ: lung; Vector: pOTB7; Site 1: XhoI; Site 2:  

EcoRI; cDNA made by oligo-dT priming. Directionally  

cloned into EcoRI/XhoI sites using the following 5'  

adaptor: GGCACGAG(G). Size-selected >500bp for average  

insert size 1.8kb. Library constructed by Ling Hong in  

the laboratory of Gerald M. Rubin (University of  

California, Berkeley) using ZAP-cDNA synthesis kit  

(Stratagene) and Superscript II RT (Life Technologies)."
```

## BASE COUNT

```
0 a 0 c 3 g 11 t
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Query Match 0.8%; Score 11.4; DB 1; Length 15;  
 Best Local Similarity 85.7%; Pred. No. 17;  
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1145 TTTTTCCTTTTG 1158

Db 1 TTTTTCCTTTTG 14

## RESULT 30

BQ582543 15 bp mRNA linear EST 06-DEC-2002  
 LOCUS 3013300.024-007-B02-T7 MPiZ-ADIS-024-inflorescence Beta vulgaris  
 DEFINITION cDNA clone 024-007-B02 3-PRIME, mRNA sequence.  
 ACCESSION BQ582543  
 VERSION BQ582543.1 GI:26112120  
 KEYWORDS EST.  
 SOURCE Beta vulgaris  
 ORGANISM Beta vulgaris  
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;  
 Caryophyllales; Amaranthaceae; Beta.  
 1 (bases 1 to 15)  
 Herwig, R.; Schulz, B.; Weisshaar, B.; Hennig, S.; Steinfath, M.,  
 Drungowski, M., Stahl, D., Wruck, W., Menze, A., O'Brien, J., Lebrach, H.  
 and Radelof, U.  
 Construction of a 'unigene' cDNA clone set by oligonucleotide  
 fingerprinting allows access to 25 000 potential sugar beet genes  
 Plant J. 32 (5), 845-857 (2002)  
 Contact: Weisshaar B  
 ADIS DNA core facility at MPiZ  
 Max-Planck-Institute for Plant Breeding Research  
 Carl-von-Linne Weg 10, 50829 Koeln, Germany  
 Fax: 00492215062851  
 Email: weissaha@mpiz-koeln.mpg.de  
 Insert Length: 15 Std Error: 0.00  
 Plate: 7 row: B column: 02  
 Seq primer: T7; GTAATACGACTCCTACTATAGGC.

## FEATURES

Location/Qualifiers

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1..15
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding line)"
/db_xref="GABI:184162"
/db_xref="taxon:161934"
/clone="024-007-B02"
/tissue_type="inflorescence"
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```

/lab_host="EMDH10B"
/clone_lib="MPIZ-ADIS-024-inflourescence"
/notes=Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCG-Sprime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT      0 a      0 c      0 g      15 t

```

```

Query Match      0.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 17;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1144 TTTTTCCTTTT 1156
      |||||
Db 1 TTTTTCCTTTT 13

```

```

RESULT 31
BQ585820
LOCUS      15 bp      mRNA      linear      EST 06-DEC-2002
DEFINITION      B012533-024-014-H17-SP6 MPIZ-ADIS-024-leaf Beta vulgaris cDNA clone
                024-014-H17 5-PRIME, mRNA sequence.
ACCESSION      BQ585820
VERSION
KEYWORDS
SOURCE      Beta vulgaris
ORGANISM      Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
REFERENCE      1 (bases 1 to 15)
AUTHORS      Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
                Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
                and Radelof,J.
TITLE      Construction of a 'unigene' cDNA clone set by oligonucleotide
                fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL
COMMENT      Plant J. 32 (5), 845-857 (2002)
                Contact: Weisshaar B
                ADIS DNA core facility at MPIZ
                Max-Planck-Institute for Plant Breeding Research
                Carl-von-Linne Weg 10, 50829 Koeln, Germany
                Fax: 00492215062851
                Email: weisshaar@piz-koeln.mpg.de
                Insert Length: 15 Std Error: 0.00
                Plate: 14 row: H column: 17
                Seq primer: SP6; CATACGATTGAGTGCACACTATAG.
                Location/Qualifiers
                1. .15
                /organism="Beta vulgaris"
                /mol_type="mRNA"
                /cultivar="KWS2320 (double haploid, monogerm breeding line
                )"
                /db_xref="GABI:187164"
                /db_xref="taxon:161934"
                /clone="024-014-H17"
                /tissue_type="leaf"
                /lab_host="EMDH10B"
                /clone_lib="MPIZ-ADIS-024-leaf"
                /note=Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
                cDNA library from sugar beet, library provided by KWS
                Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
                b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
                orientation:
                SP6-Sali-CCACGCGTCG-Sprime-cDNA-polyA-CC-NotI-T7; Note:
                Sequencing granted in the context of the GABI-Beet project
                , local PI: Dr. Katharina Schneider, coordinator: Prof.
                Christian Jung; Sequence submission managed by

```

```

BASE COUNT      0 a      0 c      0 g      15 t

Query Match      0.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 17;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1144 TTTTTCCTTTT 1156
      |||||
Db 1 TTTTTCCTTTT 13

```

```

BASE COUNT      0 a      0 c      0 g      15 t

Query Match      0.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 17;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1144 TTTTTCCTTTT 1156
      |||||
Db 1 TTTTTCCTTTT 13

```

```

RESULT 32
BQ590410
LOCUS      15 bp      mRNA      linear      EST 06-DEC-2002
DEFINITION      B012844-024-019-M08-T7 MPIZ-ADIS-024-storage root Beta vulgaris
                cDNA clone 024-019-M08 3-PRIME, mRNA sequence.
ACCESSION      BQ590410
VERSION
KEYWORDS
SOURCE      Beta vulgaris
ORGANISM      Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
REFERENCE      1 (bases 1 to 15)
AUTHORS      Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
                Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
                and Radelof,J.
TITLE      Construction of a 'unigene' cDNA clone set by oligonucleotide
                fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL
COMMENT      Plant J. 32 (5), 845-857 (2002)
                Contact: Weisshaar B
                ADIS DNA core facility at MPIZ
                Max-Planck-Institute for Plant Breeding Research
                Carl-von-Linne Weg 10, 50829 Koeln, Germany
                Fax: 00492215062851
                Email: weisshaar@piz-koeln.mpg.de
                Insert Length: 15 Std Error: 0.00
                Plate: 19 row: M column: 08
                Seq primer: T7; GTAATACGACTCATTATAGGCG.
                Location/Qualifiers
                1. .15
                /organism="Beta vulgaris"
                /mol_type="mRNA"
                /cultivar="KWS2320 (double haploid, monogerm breeding line
                )"
                /db_xref="GABI:189710"
                /db_xref="taxon:161934"
                /clone="024-019-M08"
                /tissue_type="storage root"
                /lab_host="EMDH10B"
                /clone_lib="MPIZ-ADIS-024-storage root"
                /note=Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
                cDNA library from sugar beet, library provided by KWS
                Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
                b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
                orientation:
                SP6-Sali-CCACGCGTCG-Sprime-cDNA-polyA-CC-NotI-T7; Note:
                Sequencing granted in the context of the GABI-Beet project
                , local PI: Dr. Katharina Schneider, coordinator: Prof.
                Christian Jung; Sequence submission managed by
                RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT      0 a      0 c      0 g      15 t

```

```

BASE COUNT      0 a      0 c      0 g      15 t

Query Match      0.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 17;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1144 TTTTTCCTTTT 1156
      |||||
Db 1 TTTTTCCTTTT 13

```

```

RESULT 33
BQ590656
LOCUS
DEFINITION
  BQ590656 024-018-L13-SP6 MP12-ADIS-024-storage root Beta vulgaris
  15 bp mRNA linear EST 06-DEC-2002
ACCESSION
  BQ590656
VERSION
  BQ590656.1 GI:26120239
KEYWORDS
  EST.
SOURCE
  Beta vulgaris
  Beta vulgaris
ORGANISM
  Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
  Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
  Caryophyllales; Amaranthaceae; Beta.
REFERENCE
  AUTHORS
    Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
    Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
    and Radelof,U.
  1 (bases 1 to 15)
  Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
  and Radelof,U.
  Construction of a 'unigene' cDNA clone set by oligonucleotide
  fingerprinting allows access to 25 000 potential sugar beet genes
  Plant J. 32 (5), 845-857 (2002)
  Contact: Weisshaar B
  ADIS DNA core facility at MP1Z
  Max-Planck-Institute for Plant Breeding Research
  Carl-von-Linne Weg 10, 50829 Koeln, Germany
  Fax: 00492215062851
  Email: weisshaar@mpiz-koeln.mpg.de
  Insert length: 15 Std Error: 0.00
  Plate: 18 row: L column: 13
  Seq primer: SP6; CATACGATTGTCACACTAG.
  Location/Qualifiers
    1..15
      /organism="Beta vulgaris"
      /mol_type="mRNA"
      /cultivar="KWS2320 (double haploid, monogerm breeding line
      )"
      /db_xref="GABI:189464"
      /db_xref="taxon:161934"
      /clone="024-018-L13"
      /tissue_type="storage root"
      /lab_host="EMDH10B"
      /clone_lib="MP12-ADIS-024-storage root"
      /notes="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
      cDNA library from sugar beet, library provided by KWS
      Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:
      b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
      orientation:
      SP6-Sali-CCACGGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
      Sequencing granted in the context of the GABI-Beet project
      , local PI: Dr. Katharina Schneider, coordinator: Prof.
      Christian Jung; Sequence submission managed by
      RZPD/GABI-Primary database: http://gabi.rzpd.de"
    0 a 0 c 0 g 15 t
  BASE COUNT
    Query Match 0.8%; Score 11.4; DB 1; Length 15;
    Best Local Similarity 92.3%; Pred. No. 17;
    Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

  QY 1144 TTTTTCCTTTT 1156
      ||||| |||||
  Db 1 TTTTTCCTTTT 13

  RESULT 35
  BQ591178
  LOCUS
  DEFINITION
    BQ591178 024-017-F22-T7 MP12-ADIS-024-storage root Beta vulgaris
    15 bp mRNA linear EST 06-DEC-2002
  ACCESSION
    BQ591178
  VERSION
    BQ591178.1 GI:26120761
  KEYWORDS
    EST.
  SOURCE
    Beta vulgaris
    Beta vulgaris
  ORGANISM
    Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
    Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
    Caryophyllales; Amaranthaceae; Beta.
  REFERENCE
    AUTHORS
      Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
      Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
      and Radelof,U.
    1 (bases 1 to 15)
    Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
    and Radelof,U.
    Construction of a 'unigene' cDNA clone set by oligonucleotide
    fingerprinting allows access to 25 000 potential sugar beet genes
    Plant J. 32 (5), 845-857 (2002)
    Contact: Weisshaar B
  TITLE
    Construction of a 'unigene' cDNA clone set by oligonucleotide
    fingerprinting allows access to 25 000 potential sugar beet genes
  JOURNAL
    Plant J. 32 (5), 845-857 (2002)
    Contact: Weisshaar B
  COMMENT

```

ADIS DNA core facility at MPIZ  
 Max-Planck-Institute for Plant Breeding Research  
 Carl-von-Linne Weg 10, 50829 Koeln, Germany  
 Fax: 00492215062851  
 Email: weisshaa@mpiz-koeln.mpg.de  
 Insert Length: 15 Std Error: 0.00  
 Plate: 17 row: F column: 22  
 Seq primer: T7; GTAATACGACTCATTATAGGCG.  
 Location/Qualifiers

#### FEATURES

1. .15  
 /organism="Beta vulgaris"  
 /mol\_type="mRNA"  
 /cultivar="KWS2320 (double haploid, monogerm breeding line)"  
 /db\_xref="taxon:161934"  
 /clone="024-017-F22"  
 /tissue\_type="storage root"  
 /lab\_host="EMDH10B"  
 /clone\_lib="MPIZ-ADIS-024-storage root"  
 /note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;  
 cDNA library from sugar beet, library provided by KWS,  
 Kleinwanzlebener Saatucht AG Einbeck, Germany, contact:  
 b.schulz@kws.de; cloning sites Sali-NotI, primer sites and  
 orientation:  
 SP6-Sali-CCACGGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:  
 Sequencing granted in the context of the GABI-Beet project  
 , local PI: Dr. Katharina Schneider, coordinator: Prof.  
 Christian Jung; Sequence submission managed by  
 RZPD/GABI-Primary database: http://gabi.rzpd.de"

#### BASE COUNT

0 a 0 c 0 g 15 t

Query Match 0.8%; Score 11.4; DB 1; Length 15;  
 Best Local Similarity 92.3%; Pred. No. 17;  
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156  
 |||||  
 Db 1 TTTTTCCTTTT 13

RESULT 36  
 BQ591223  
 LOCUS  
 DEFINITION  
 E012715-024-017-H02-T7 MP1Z-ADIS-024-storage root Beta vulgaris  
 cDNA clone 024-017-H02 3-PRIME, mRNA sequence.  
 EST.

ACCESSION  
 VERSION  
 BQ591223.1 GI:26120806

#### SOURCE

Beta vulgaris  
 Beta vulgaris  
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;  
 Caryophyllales; Amaranthaceae; Beta.  
 1 (bases 1 to 15)  
 Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,  
 Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.  
 and Radelof,U.  
 Construction of a 'unigene' cDNA clone set by oligonucleotide  
 fingerprinting allows access to 25 000 potential sugar beet genes  
 Plant J. 32 (5), 845-857 (2002)  
 Contact: Weissshaar B

#### REFERENCE

ADIS DNA core facility at MPIZ  
 Max-Planck-Institute for Plant Breeding Research  
 Carl-von-Linne Weg 10, 50829 Koeln, Germany  
 Fax: 00492215062851

Email: weisshaa@mpiz-koeln.mpg.de

Insert Length: 15 Std Error: 0.00

Plate: 17 row: H column: 02

Seq primer: T7; GTAATACGACTCATTATAGGCG.

Location/Qualifiers

1. .15

/organism="Beta vulgaris"

#### FEATURES

1. .15  
 /organism="Beta vulgaris"  
 /mol\_type="mRNA"  
 /cultivar="KWS2320 (double haploid, monogerm breeding line)"  
 /db\_xref="taxon:161934"  
 /clone="024-017-F22"  
 /tissue\_type="storage root"  
 /lab\_host="EMDH10B"  
 /clone\_lib="MPIZ-ADIS-024-storage root"  
 /note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;  
 cDNA library from sugar beet, library provided by KWS

/mol\_type="mRNA"  
 /cultivar="KWS2320 (double haploid, monogerm breeding line)"  
 /db\_xref="GABI:188901"  
 /db\_xref="taxon:161934"  
 /clone="024-017-H02"  
 /tissue\_type="storage root"  
 /lab\_host="EMDH10B"  
 /clone\_lib="MPIZ-ADIS-024-storage root"  
 /note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;  
 cDNA library from sugar beet, library provided by KWS,  
 Kleinwanzlebener Saatucht AG Einbeck, Germany, contact:  
 b.schulz@kws.de; cloning sites Sali-NotI, primer sites and  
 orientation:  
 SP6-Sali-CCACGGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:  
 Sequencing granted in the context of the GABI-Beet project  
 , local PI: Dr. Katharina Schneider, coordinator: Prof.  
 Christian Jung; Sequence submission managed by  
 RZPD/GABI-Primary database: http://gabi.rzpd.de"

BASE COUNT 0 a 0 c 0 g 15 t

Query Match 0.8%; Score 11.4; DB 1; Length 15;  
 Best Local Similarity 92.3%; Pred. No. 17;  
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156  
 |||||  
 Db 1 TTTTTCCTTTT 13

#### RESULT 37

BQ594689

LOCUS

DEFINITION

E012404-024-024-M05-T7 MP1Z-ADIS-024-developing root Beta vulgaris

cDNA clone 024-024-M05 3-PRIME, mRNA sequence.

EST.

ACCESSION

VERSION

BQ594689.1 GI:26124272

KEYWORDS

SOURCE

Beta vulgaris

Beta vulgaris

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;  
 Caryophyllales; Amaranthaceae; Beta.  
 1 (bases 1 to 15)  
 Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,  
 Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.  
 and Radelof,U.  
 Construction of a 'unigene' cDNA clone set by oligonucleotide  
 fingerprinting allows access to 25 000 potential sugar beet genes  
 Plant J. 32 (5), 845-857 (2002)  
 Contact: Weissshaar B

ADIS DNA core facility at MPIZ

Max-Planck-Institute for Plant Breeding Research

Carl-von-Linne Weg 10, 50829 Koeln, Germany

Fax: 00492215062851

Email: weisshaa@mpiz-koeln.mpg.de

Insert Length: 15 Std Error: 0.00

Plate: 24 row: M column: 05

Seq primer: T7; GTAATACGACTCATTATAGGCG.

Location/Qualifiers

1. .15

/organism="Beta vulgaris"

/mol\_type="mRNA"

/cultivar="KWS2320 (double haploid, monogerm breeding line)"

/db\_xref="GABI:192163"

/db\_xref="taxon:161934"

/clone="024-024-M05"

/tissue\_type="developing root"

/lab\_host="EMDH10B"

/clone\_lib="MP1Z-ADIS-024-developing root"

/note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;  
 cDNA library from sugar beet, library provided by KWS

Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:  
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and  
orientation:

SP6-Sali-CCACGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:  
Sequencing granted in the context of the GABI-Best project  
, local PI: Dr. Katharina Schneider, coordinator: Prof.  
Christian Jung; Sequence submission managed by  
RZPD/GABI-Primary database: <http://gabi.rzpd.de>

BASE COUNT 0 a 0 c 0 g 15 t

Query Match 0.8%; Score 11.4; DB 1; Length 15;

Best Local Similarity 92.3%; Pred. No. 17;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156

|||||

1 TTTTTCCTTTT 13

RESULT 39

BE230585/c

LOCUS

DEFINITION 99AS799 Rice Seedling Lambda ZAPII cDNA Library Oryza sativa (indica cultivar-group) cDNA clone 99AS799, mRNA sequence.

ACCESSION BE230585.1

VERSION BE230585

KEYWORDS

SOURCE

ORGANISM

Oryza sativa (indica cultivar-group)  
Oryza sativa (indica cultivar-group)  
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;  
Ehrhartioideae; Oryzeae; Oryza.

REFERENCE 1 (bases 1 to 15)

AUTHORS Lee, M.C., Shin, Y.C., Lee, T.H., Jeong, S.H., Kim, J.K., Eun, M.Y. and Nam, B.H.

TITLE Large-scale Sequencing Analysis of ESTs from Rice Seedling

JOURNAL Unpublished

COMMENT Contact: Eun M.Y.

Department of Cytogenetics

National Inst. of Agri. Sci. and Tech, RDA

Suwon, Kyunggido, Korea

Tel.: 82 331 290 0301

Fax: 82 331 290 0307

Email: myeun@un20.asti.re.kr.

FEATURES

source

1. .15

/location/Qualifiers

/organism="Oryza sativa (indica cultivar-group)"

/mol\_type="mRNA"

/cultivar="Wilyang23"

/db\_xref="taxon:39946"

/clone="99AS799"

/dev\_stage="5 days after pollination"

/lab\_host="E. coli SOLR"

/clone\_lib="Rice Seedling Lambda ZAPII cDNA Library"

/note="Vector: pBluescript SK(+); Site 1: EcoRI; Site 2:

XhoI; Directional cDNA library inserted into lambda ZAPII

vector at 5' end with EcoRI and 3' end with Xho I site"

BASE COUNT 15 a 0 c 0 g 0 t

Query Match 0.8%; Score 11.4; DB 1; Length 15;

Best Local Similarity 92.3%; Pred. No. 17;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156

|||||

15 TTTTTCCTTTT 3

RESULT 39

AA937877

LOCUS

DEFINITION nw90e06.s1 NCI CGAP Pr12 Homo sapiens cDNA clone IMAGE:1253890 similar to TR:Q35985 Q35989 CYTOCHROME C OXIDASE SUBUNIT 1; mRNA

16 bp mRNA linear EST 30-APR-1998

sequence.

AA937877

VERSION AA937877.1

KEYWORDS GI:3095988

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 16)

AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

TITLE NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.

JOURNAL National Cancer Institute, Cancer Genome Anatomy Project (CGAP),

COMMENT Tumor Gene Index

Unpublished

Email: cgapbs-r@mail.nih.gov

Tissue Procurement: W. Douglas Figg, Ph.D., Paul H. Duray, M.D.,

Rodrigo F. Chuqui, M.D., Michael R. Emmert-Buck, M.D., Ph.D.

cDNA Library Preparation: David B. Krizman, Ph.D.

CDNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

[www-bio.llnl.gov/bbrp/image/image.html](http://www-bio.llnl.gov/bbrp/image/image.html)

Trace considered overall poor quality

Seq primer: -40ml3 fwd. ET from Amersham

High quality sequence stop: 1.

FEATURES

source

1. .16

/location/Qualifiers

/organism="Homo sapiens"

/mol\_type="mRNA"

/db\_xref="taxon:9606"

/clone="IMAGE:1253890"

/sex="male"

/tissue\_type="metastatic prostate bone lesion"

/lab\_host="DH10B"

/clone\_lib="NCI CGAP Pr12"

/note="Vector: pAMP10; mRNA made from metastatic prostate

lesion of the bone, cDNA made by oligo-dr priming.

Non-directionally cloned. Size-selected on agarose gel,

average insert size 600 bp. Library made by D. Krizman,

NIH."

BASE COUNT 1 a 0 c 1 g 14 t

Query Match 0.8%; Score 11.4; DB 1; Length 16;

Best Local Similarity 92.3%; Pred. No. 18;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156

|||||

4 TTTTTCCTTTT 16

RESULT 40

BQ590166

LOCUS

DEFINITION E012844-024-019-K18-T7 MPZ-ADIS-024-storage root Beta vulgaris

cDNA clone 024-019-K18 3-PRIME, mRNA sequence.

BASE COUNT 16 bp mRNA linear EST 06-DEC-2002

Query Match 0.8%; Score 11.4; DB 1; Length 16;

Best Local Similarity 92.3%; Pred. No. 18;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156

|||||

4 TTTTTCCTTTT 16

RESULT 40

BQ590166

LOCUS

DEFINITION E012844-024-019-K18-T7 MPZ-ADIS-024-storage root Beta vulgaris

cDNA clone 024-019-K18 3-PRIME, mRNA sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

1. .16

/location/Qualifiers

/organism="Homo sapiens"

/mol\_type="mRNA"

/db\_xref="taxon:9606"

/clone="IMAGE:1253890"

/sex="male"

/tissue\_type="metastatic prostate bone lesion"

/lab\_host="DH10B"

/clone\_lib="NCI CGAP Pr12"

/note="Vector: pAMP10; mRNA made from metastatic prostate

lesion of the bone, cDNA made by oligo-dr priming.

Non-directionally cloned. Size-selected on agarose gel,

average insert size 600 bp. Library made by D. Krizman,

NIH."

BASE COUNT 1 a 0 c 1 g 14 t

Query Match 0.8%; Score 11.4; DB 1; Length 16;

Best Local Similarity 92.3%; Pred. No. 18;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156

|||||

4 TTTTTCCTTTT 16

RESULT 40

BQ590166

LOCUS

DEFINITION E012844-024-019-K18-T7 MPZ-ADIS-024-storage root Beta vulgaris

cDNA clone 024-019-K18 3-PRIME, mRNA sequence.

BASE COUNT 16 bp mRNA linear EST 06-DEC-2002

Query Match 0.8%; Score 11.4; DB 1; Length 16;

Best Local Similarity 92.3%; Pred. No. 18;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156

|||||

4 TTTTTCCTTTT 16

RESULT 40

BQ590166

LOCUS

DEFINITION E012844-024-019-K18-T7 MPZ-ADIS-024-storage root Beta vulgaris

cDNA clone 024-019-K18 3-PRIME, mRNA sequence.

sequence.

AA937877

VERSION AA937877.1

KEYWORDS GI:3095988

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 16)

AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

TITLE NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.

JOURNAL National Cancer Institute, Cancer Genome Anatomy Project (CGAP),

COMMENT Tumor Gene Index

Unpublished

Email: cgapbs-r@mail.nih.gov

Tissue Procurement: W. Douglas Figg, Ph.D., Paul H. Duray, M.D.,

Rodrigo F. Chuqui, M.D., Michael R. Emmert-Buck, M.D., Ph.D.

cDNA Library Preparation: David B. Krizman, Ph.D.

CDNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

[www-bio.llnl.gov/bbrp/image/image.html](http://www-bio.llnl.gov/bbrp/image/image.html)

Trace considered overall poor quality

Seq primer: -40ml3 fwd. ET from Amersham

High quality sequence stop: 1.

FEATURES

source

1. .16

/location/Qualifiers

/organism="Homo sapiens"

/mol\_type="mRNA"

/db\_xref="taxon:9606"

/clone="IMAGE:1253890"

/sex="male"

/tissue\_type="metastatic prostate bone lesion"

/lab\_host="DH10B"

/clone\_lib="NCI CGAP Pr12"

/note="Vector: pAMP10; mRNA made from metastatic prostate

lesion of the bone, cDNA made by oligo-dr priming.

Non-directionally cloned. Size-selected on agarose gel,

average insert size 600 bp. Library made by D. Krizman,

NIH."

BASE COUNT 1 a 0 c 1 g 14 t

Query Match 0.8%; Score 11.4; DB 1; Length 16;

Best Local Similarity 92.3%; Pred. No. 18;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156

|||||

4 TTTTTCCTTTT 16

RESULT 40

BQ590166

LOCUS

DEFINITION E012844-024-019-K18-T7 MPZ-ADIS-024-storage root Beta vulgaris

cDNA clone 024-019-K18 3-PRIME, mRNA sequence.

BASE COUNT 16 bp mRNA linear EST 06-DEC-2002

Query Match 0.8%; Score 11.4; DB 1; Length 16;

Best Local Similarity 92.3%; Pred. No. 18;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156

|||||

4 TTTTTCCTTTT 16

RESULT 40

BQ590166

LOCUS

DEFINITION E012844-024-019-K18-T7 MPZ-ADIS-024-storage root Beta vulgaris

cDNA clone 024-019-K18 3-PRIME, mRNA sequence.

## COMMENT

Contact: Weisshaar B  
ADIS DNA core facility at MPIZ  
Max-Planck-Institute for Plant Breeding Research  
Carl-von-Linne Weg 10, 50829 Koeln, Germany  
Fax: 00492215062851  
Email: weisshaa@mpiz-koeln.mpg.de  
Insert Length: 16 Std Error: 0.00  
Plate: 19 row: K column: 18  
Seq primer: T7; GTAATACGACTACTATAGGCG.

## FEATURES

Location/Qualifiers  
1. .16  
source

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/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding line
)"
/db_xref="GABI:189955"
/db_xref="taxon:161934"
/clone="024-019-K18"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MPIZ-ADIS-024-storage root"
/note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCGCG-Sprime-cDNA-polyA-CG-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"

```

## BASE COUNT

0 a 0 c 0 g 16 t

## Query Match

Best Local Similarity 0.8%; Score 11.4; DB 1; Length 16;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

## Qy

1144 TTTTTCCTTTT 1156

||||| |||||

1 TTTTTCCTTTT 13

## RESULT 41

BQ590507

## LOCUS

```

DEFINITION
B012844-024-019-M04-T7 MPZ-ADIS-024-storage root Beta vulgaris
cDNA clone 024-019-M04 3-PRIME, mRNA sequence.
ACCESSION
B0590507
VERSION
B0590507.1 GI:26120090
KEYWORDS
EST.
SOURCE
Beta vulgaris
Organism
Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 16)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.

```

Construction of a 'unigene' cDNA clone set by oligonucleotide  
fingerprinting allows access to 25 000 potential sugar beet genes  
Plant J. 32 (5), 845-857 (2002)  
Contact: Weisshaar B  
ADIS DNA core facility at MPIZ  
Max-Planck-Institute for Plant Breeding Research  
Carl-von-Linne Weg 10, 50829 Koeln, Germany  
Fax: 00492215062851  
Email: weisshaa@mpiz-koeln.mpg.de  
Insert Length: 16 Std Error: 0.00  
Plate: 19 row: M column: 04  
Seq primer: T7; GTAATACGACTACTATAGGCG.

## REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

source

1. .16

/organism="Beta vulgaris"

/mol\_type="mRNA"

/cultivar="KWS2320 (double haploid, monogerm breeding line

)"

/db\_xref="GABI:193895"

/db\_xref="taxon:161934"

/clone="024-028-A01"

/tissue\_type="developing root"

/lab\_host="EMDH10B"

/clone\_lib="MPIZ-ADIS-024-developing root"

/note="Vector: pCMVSPORT6; Site\_1: Sali; Site\_2: NotI;

/organism="Beta vulgaris"

/mol\_type="mRNA"

/cultivar="KWS2320 (double haploid, monogerm breeding line

)"

/db\_xref="GABI:189608"

/db\_xref="taxon:161934"

/clone="024-019-M04"

/tissue\_type="storage root"

/lab\_host="EMDH10B"

/clone\_lib="MPIZ-ADIS-024-storage root"

/note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;  
cDNA library from sugar beet, library provided by KWS  
Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:  
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and  
orientation:  
SP6-Sali-CCACGCGTCGCG-Sprime-cDNA-polyA-CG-NotI-T7; Note:  
Sequencing granted in the context of the GABI-Beet project  
, local PI: Dr. Katharina Schneider, coordinator: Prof.  
Christian Jung; Sequence submission managed by  
RZPD/GABI-Primary database: http://gabi.rzpd.de"

BASE COUNT 1 a 0 c 0 g 15 t

Query Match 0.8%; Score 11.4; DB 1; Length 16;

Best Local Similarity 92.3%; Pred. No. 18;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

## Qy

1144 TTTTTCCTTTT 1156

||||| |||||

1 TTTTTCCTTTT 13

## RESULT 42

BQ592965

## LOCUS

```

DEFINITION
S013324-024-028-A01-T7 MPZ-ADIS-024-developing root Beta vulgaris
cDNA clone 024-028-A01 3-PRIME, mRNA sequence.
ACCESSION
BQ592965
VERSION
BQ592965.1 GI:26122548
KEYWORDS
EST.
SOURCE
Beta vulgaris
Organism
Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 16)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.

```

Construction of a 'unigene' cDNA clone set by oligonucleotide  
fingerprinting allows access to 25 000 potential sugar beet genes  
Plant J. 32 (5), 845-857 (2002)  
Contact: Weisshaar B  
ADIS DNA core facility at MPIZ  
Max-Planck-Institute for Plant Breeding Research  
Carl-von-Linne Weg 10, 50829 Koeln, Germany  
Fax: 00492215062851  
Email: weisshaa@mpiz-koeln.mpg.de  
Insert Length: 16 Std Error: 0.00  
Plate: 28 row: A column: 01  
Seq primer: T7; GTAATACGACTACTATAGGCG.

## REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

source

1. .16

/organism="Beta vulgaris"

/mol\_type="mRNA"

/cultivar="KWS2320 (double haploid, monogerm breeding line

)"

/db\_xref="GABI:193895"

/db\_xref="taxon:161934"

/clone="024-028-A01"

/tissue\_type="developing root"

/lab\_host="EMDH10B"

/clone\_lib="MPIZ-ADIS-024-developing root"

/note="Vector: pCMVSPORT6; Site\_1: Sali; Site\_2: NotI;



cDNA library from sugar beet, library provided by KWS Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact: b.schulz@kws.de; cloning sites Sali-NotI, primer sites and orientation:

SP6-Sali-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note: Sequencing granted in the context of the GABI-Beet project  
Local PI: Dr. Katharina Schneider, coordinator; Prof. Christian Jung; Sequence submission managed by RZPD/GABI-Primary database: <http://gabi.rzpd.de>

BASE COUNT 0 a 0 c 0 g 16 t

Query Match 0.8%; Score 11.4; DB 1; Length 16;  
Best Local Similarity 92.3%; Pred. No. 18;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156  
|||||  
Db 1 TTTTTCCTTTT 13

## RESULT 43

BQ595369

LOCUS

DEFINITION S013317-024-022-P02-T7 MP1Z-ADIS-024-developing root Beta vulgaris  
cDNA clone 024-022-P02 3-PRIME, mRNA sequence.

ACCESSION

BQ595369

VERSION

BQ595369.1

KEYWORDS

EST.

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

Source

1. .16

/organism="Beta vulgaris"

/mol\_type="mRNA"

/cultivar="KWS2320 (double haploid, monogerm breeding line

)"

/db\_xref="GABI:191489"

/db\_xref="taxon:161934"

/clone="024-022-P02"

/tissue\_type="developing root"

/lab\_host="EMDH10B"

/clone\_lib="MP1Z-ADIS-024-developing root"

/note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;

cDNA library from sugar beet, library provided by KWS

Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:

b.schulz@kws.de; cloning sites Sali-NotI, primer sites and

orientation:

SP6-Sali-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:

Sequencing granted in the context of the GABI-Beet project

Local PI: Dr. Katharina Schneider, coordinator; Prof.

Christian Jung; Sequence submission managed by

RZPD/GABI-Primary database: <http://gabi.rzpd.de>

1 a 0 c 0 g 15 t

BASE COUNT

Query Match 0.8%; Score 11.4; DB 1; Length 16;  
Best Local Similarity 92.3%; Pred. No. 18;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156  
|||||  
Db 1 TTTTTCCTTTT 13

## RESULT 44

BQ583458/c

LOCUS

DEFINITION E011979-024-005-J11-SP6 MP1Z-ADIS-024-inflorescence Beta vulgaris  
cDNA clone 024-005-J11 5-PRIME, mRNA sequence.

ACCESSION

BQ583458

VERSION

BQ583458.1

KEYWORDS

EST.

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

Source

1. .16

/organism="Beta vulgaris"

/mol\_type="mRNA"

/cultivar="KWS2320 (double haploid, monogerm breeding line

)"

/db\_xref="GABI:183240"

/db\_xref="taxon:161934"

/clone="024-005-J11"

/tissue\_type="inflorescence"

/lab\_host="EMDH10B"

/clone\_lib="MP1Z-ADIS-024-inflorescence"

/note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;

cDNA library from sugar beet, library provided by KWS

Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:

b.schulz@kws.de; cloning sites Sali-NotI, primer sites and

orientation:

SP6-Sali-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:

Sequencing granted in the context of the GABI-Beet project

Local PI: Dr. Katharina Schneider, coordinator; Prof.

Christian Jung; Sequence submission managed by

RZPD/GABI-Primary database: <http://gabi.rzpd.de>

11 a 0 c 5 g 0 t

BASE COUNT

Query Match 0.8%; Score 11.4; DB 1; Length 16;  
Best Local Similarity 92.3%; Pred. No. 18;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1142 CCTTTTTCCTTT 1154  
|||||  
Db 13 CCTTTTTCCTTT 1

## RESULT 45

BQ592600/c

```

LOCUS      BQ592600                16 bp    mRNA    linear    EST 06-DEC-2002
DEFINITION vulgaris cDNA clone 024-028-F08-SP6R MP1Z-ADIS-024-developing root Beta
ACCESSION BQ592600
VERSION   BQ592600.1 GI:26122183
KEYWORDS  EST.
SOURCE    Beta vulgaris
ORGANISM  Beta vulgaris
           Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
           Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
           Caryophyllales; Amaranthaceae; Beta.
REFERENCE  1 (bases 1 to 16)
AUTHORS   Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
           Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
           and Radelof,U.
TITLE     Construction of a 'unigene' cDNA clone set by oligonucleotide
           fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL   Plant J. 32 (5), 845-857 (2002)
COMMENT   ADIS DNA core facility at MP1Z
           Max-Planck-Institute for Plant Breeding Research
           Carl-von-Linne Weg 10, 50829 Koeln, Germany
           Contact: Weisshaar B
           Email: weisshaar@mpiz-koeln.mpg.de
           Fax: 00492215062851
           Insert Length: 16 Std Error: 0.00
           Plate: 28 row: F column: 08
           Seq primer: SP6r; ATTTAGGTGACACTATAGAGA.
FEATURES   Location/Qualifiers
            source
              1..16
                /organism="Beta vulgaris"
                /mol_type="mRNA"
                /cultivar="KWS2320 (double haploid, monogerm breeding line
                )"
                /db_xref="GABI:194262"
                /db_xref="taxon:161934"
                /clone="024-028-F08"
                /tissue_type="developing root"
                /lab_host="EMDH10B"
                /clone_lib="MP1Z-ADIS-024-developing root"
                /note="Vector: PCMVSPORf6; Site 1: SalI; Site 2: NotI;
                cDNA library from sugar beet, library provided by KWS
                Kleinwanzlebener Saat-zucht AG Einbeck, Germany, contact:
                b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                orientation:
                SP6-Sali-CCAGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
                Sequencing granted in the context of the GABI-Beet project
                , local PI: Dr. Katharina Schneider, coordinator: Prof.
                Christian Jung; Sequence submission managed by
                RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT  16 a 0 c 0 g 0 t
            Query Match          0.8%; Score 11.4; DB 1; Length 16;
            Best Local Similarity 92.3%; Pred. No. 18;
            Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY  1144 TTTTTCCTTTT 1156
      |||||
Db   16 TTTTTCCTTTT 4

RESULT 47
LOCUS    BQ595717/c                16 bp    mRNA    linear    EST 06-DEC-2002
DEFINITION vulgaris cDNA clone 024-022-H07-SP6 MP1Z-ADIS-024-developing root Beta vulgaris
ACCESSION BQ595717
VERSION   BQ595717.1 GI:26125300
KEYWORDS  EST.
SOURCE    Beta vulgaris
ORGANISM  Beta vulgaris
           Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
           Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
           Caryophyllales; Amaranthaceae; Beta.
REFERENCE  1 (bases 1 to 16)
AUTHORS   Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
           Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
           and Radelof,U.
TITLE     Construction of a 'unigene' cDNA clone set by oligonucleotide
           fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL   Plant J. 32 (5), 845-857 (2002)
COMMENT   ADIS DNA core facility at MP1Z
           Max-Planck-Institute for Plant Breeding Research
           Carl-von-Linne Weg 10, 50829 Koeln, Germany
           Contact: Weisshaar B
           Email: weisshaar@mpiz-koeln.mpg.de
           Fax: 00492215062851
           Insert Length: 16 Std Error: 0.00
           Plate: 28 row: F column: 08
           Seq primer: SP6r; ATTTAGGTGACACTATAGAGA.
FEATURES   Location/Qualifiers
            source
              1..16
                /organism="Beta vulgaris"
                /mol_type="mRNA"
                /cultivar="KWS2320 (double haploid, monogerm breeding line
                )"
                /db_xref="GABI:194262"
                /db_xref="taxon:161934"
                /clone="024-028-F08"
                /tissue_type="developing root"
                /lab_host="EMDH10B"
                /clone_lib="MP1Z-ADIS-024-developing root"
                /note="Vector: PCMVSPORf6; Site 1: SalI; Site 2: NotI;
                cDNA library from sugar beet, library provided by KWS
                Kleinwanzlebener Saat-zucht AG Einbeck, Germany, contact:
                b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                orientation:
                SP6-Sali-CCAGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
                Sequencing granted in the context of the GABI-Beet project
                , local PI: Dr. Katharina Schneider, coordinator: Prof.
                Christian Jung; Sequence submission managed by
                RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT  16 a 0 c 0 g 0 t
            Query Match          0.8%; Score 11.4; DB 1; Length 16;
            Best Local Similarity 92.3%; Pred. No. 18;
            Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY  1144 TTTTTCCTTTT 1156
      |||||
Db   16 TTTTTCCTTTT 4

RESULT 46
LOCUS    BQ595717/c                16 bp    mRNA    linear    EST 06-DEC-2002
DEFINITION vulgaris cDNA clone 024-022-H07-SP6 MP1Z-ADIS-024-developing root Beta vulgaris
ACCESSION BQ595717
VERSION   BQ595717.1 GI:26125300
KEYWORDS  EST.
SOURCE    Beta vulgaris
ORGANISM  Beta vulgaris
           Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
           Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
           Caryophyllales; Amaranthaceae; Beta.

```

```

REFERENCE  1 (bases 1 to 16)
AUTHORS   Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
           Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
           and Radelof,U.
TITLE     Construction of a 'unigene' cDNA clone set by oligonucleotide
           fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL   Plant J. 32 (5), 845-857 (2002)
COMMENT   ADIS DNA core facility at MP1Z
           Max-Planck-Institute for Plant Breeding Research
           Carl-von-Linne Weg 10, 50829 Koeln, Germany
           Contact: Weisshaar B
           Email: weisshaar@mpiz-koeln.mpg.de
           Fax: 00492215062851
           Insert Length: 16 Std Error: 0.00
           Plate: 22 row: H column: 07
           Seq primer: SP6; CATACGATTAGGTGACACTATAG.
FEATURES   Location/Qualifiers
            source
              1..16
                /organism="Beta vulgaris"
                /mol_type="mRNA"
                /cultivar="KWS2320 (double haploid, monogerm breeding line
                )"
                /db_xref="GABI:191134"
                /db_xref="taxon:161934"
                /clone="024-022-H07"
                /tissue_type="developing root"
                /lab_host="EMDH10B"
                /clone_lib="MP1Z-ADIS-024-developing root"
                /note="Vector: PCMVSPORf6; Site 1: SalI; Site 2: NotI;
                cDNA library from sugar beet, library provided by KWS
                Kleinwanzlebener Saat-zucht AG Einbeck, Germany, contact:
                b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                orientation:
                SP6-Sali-CCAGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
                Sequencing granted in the context of the GABI-Beet project
                , local PI: Dr. Katharina Schneider, coordinator: Prof.
                Christian Jung; Sequence submission managed by
                RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT  16 a 0 c 0 g 0 t
            Query Match          0.8%; Score 11.4; DB 1; Length 16;
            Best Local Similarity 92.3%; Pred. No. 18;
            Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY  1144 TTTTTCCTTTT 1156
      |||||
Db   16 TTTTTCCTTTT 4

RESULT 47
LOCUS    AZ355624                22 bp    DNA    linear    GSS 02-OCT-2000
DEFINITION 1M0095E22F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
           clone UUGC1M0095E22 F, genomic survey sequence.
ACCESSION AZ355624
VERSION   AZ355624.1 GI:10468133
KEYWORDS  GSS.
SOURCE    Mus musculus (house mouse)
ORGANISM  Mus musculus
           Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
           Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE  1 (bases 1 to 22)
AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
           Islam,H., Longacre,S., Mahmood,M., Meenen,E., Pedersen,T., Reilly
           ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
           and Wright,D., Weiss,R.
TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
           plasmid inserts
JOURNAL   Unpublished
COMMENT   Contact: Robert B. Weiss
           University of Utah Genome Center
           University of Utah
           Rm. 306, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

```

84112, USA  
 Tel: 801 585 5606  
 Fax: 801 585 7177  
 Email: ddunn@genetics.utah.edu  
 Insert Length: 10000 Std Error: 0.00  
 Plate: 0095 row: F column: 22  
 Seq primer: CGTGTAAACAGCGCCAGT  
 Class: plasmid ends  
 High quality sequence stop: 22.  
 Location/Qualifiers

## FEATURES

source

1. .22  
 /organism="Mus musculus"  
 /mol\_type="genomic DNA"  
 /strain="C57BL/6J"  
 /db\_xref="taxon:10090"  
 /clone="UUGC1M0095E22"  
 /sex="Male"  
 /lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
 /clone\_lib="Mouse 10kb plasmid UUGC1M library"  
 /note="Vector: PWD42hv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid RL1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT

11 a 3 c 0 g 8 t

Query Match 0.8%; Score 11.4; DB 1; Length 22;  
 Best Local Similarity 71.4%; Pred. No. 26;  
 Matches 15; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Oy 1113 TTCTCTGTTTAATGAAGA 1133  
 |||||  
 Db 1 TCTCTCTTAATTAAGAAAA 21

RESULT 48

AW248457

LOCUS

DEFINITION 2820576.3prime NIH\_MGC\_7 Homo sapiens cDNA clone IMAGE:2820576 3',  
 mRNA sequence.

ACCESSION

AW248457

VERSION

AW248457.1

KEYWORDS

EST.

SOURCE

Homo sapiens

ORGANISM

Homo sapiens

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

AW248457 16 bp mRNA linear EST 07-JAN-2000  
 mRNA sequence.  
 AW248457 GI:6591450  
 EST.  
 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 NIH-MGC http://mgs.nci.nih.gov/.  
 National Institutes of Health, Mammalian Gene Collection (MGC)  
 Unpublished  
 Other ESTs: 2820576.5prime  
 Contact: Robert Strausberg, Ph.D.  
 Email: cgapbs@mail.nih.gov  
 Tissue Procurement: DCTD/DTF cDNA Library Preparation: Ling  
 Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.  
 Consortium (ILLN) DNA Sequencing by: Berkeley MGC sequencing  
 project Clone distribution: MGC clone distribution information can  
 be found through the I.M.A.G.E. Consortium/ILLN at:

www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality  
 Scores: PHRED from University of Washington Genome Center. Vector  
 Trimming: cross match from University of Washington Genome Center  
 PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley  
 Drosophila Genome Project. University of Washington Genome Center:  
 http://www.genome.washington.edu Low Quality Sequence: 16  
 contiguous PHRED high quality bases following vector sequence. Very  
 Low Quality Sequence: Trace file contained 16 contiguous distinct  
 peaks following vector sequence. Polyadenylation: Based upon the  
 presence of a XhoI site followed by a run of 14 or more T residues  
 at the beginning of the sequence, this cDNA insert was  
 polyadenylated.

Plate: LLCM4 row: J column: 1  
 High quality sequence stop: 16.  
 Location/Qualifiers

## FEATURES

source

1. .16  
 /organism="Homo sapiens"  
 /mol\_type="mRNA"  
 /db\_xref="taxon:9606"  
 /clone="IMAGE:2820576"  
 /tissue\_type="small cell carcinoma"  
 /cell\_line="MGC3"  
 /lab\_host="DH10B (phage-resistant)"  
 /clone\_lib="NIH\_MGC\_7"  
 /note="Organ: lung; Vector: pOTB7; Site 1: XhoI; Site 2:  
 EcoRI; cDNA made by oligo-dT priming. Directionally  
 cloned into EcoRI/XhoI sites using the following 5'  
 adaptor: GGCACGAG(G). Size-selected >500bp for average  
 insert size 1.8kb. Library constructed by Ling Hong in  
 the laboratory of Gerald M. Rubin (University of  
 California, Berkeley) using ZAP-cDNA synthesis kit  
 (Stratagene) and Superscript II RT (Life Technologies)."

BASE COUNT

2 a 0 c 3 g 11 t

Query Match 0.8%; Score 11.2; DB 1; Length 16;  
 Best Local Similarity 81.2%; Pred. No. 20;  
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Oy 1146 TTTTCTTTTGGAG 1161  
 |||||  
 Db 1 TTTTCTTTTAGGATG 16

RESULT 49

AW248958

LOCUS

DEFINITION 2819454.3prime NIH\_MGC\_7 Homo sapiens cDNA clone IMAGE:2819454 3',  
 mRNA sequence.

ACCESSION

AW248958

VERSION

AW248958.1

KEYWORDS

EST.

SOURCE

Homo sapiens

ORGANISM

Homo sapiens

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

AW248958 16 bp mRNA linear EST 07-JAN-2000  
 mRNA sequence.  
 AW248958 GI:6591951  
 EST.  
 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 NIH-MGC http://mgs.nci.nih.gov/.  
 National Institutes of Health, Mammalian Gene Collection (MGC)  
 Unpublished  
 Other ESTs: 2819454.5prime  
 Contact: Robert Strausberg, Ph.D.  
 Email: cgapbs@mail.nih.gov  
 Tissue Procurement: DCTD/DTF cDNA Library Preparation: Ling  
 Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.  
 Consortium (ILLN) DNA Sequencing by: Berkeley MGC sequencing  
 project Clone distribution: MGC clone distribution information can  
 be found through the I.M.A.G.E. Consortium/ILLN at:  
 www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality  
 Scores: PHRED from University of Washington Genome Center. Vector  
 Trimming: cross match from University of Washington Genome Center  
 PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley  
 Drosophila Genome Project. University of Washington Genome Center:  
 http://www.genome.washington.edu Low Quality Sequence: 15

contiguous PHRED high quality bases following vector sequence. Very Low Quality Sequence: Trace file contained 16 contiguous distinct peaks following vector sequence. Polyadenylation: Based upon the presence of a XhoI site followed by a run of 14 or more T residues at the beginning of the sequence, this cDNA insert was polyadenylated.

Plate: LLCM1 row: K column: 7  
High quality sequence stop: 15.

#### FEATURES

Location/Qualifiers  
1. 16  
/organism="Homo sapiens"  
/mol\_type="mRNA"  
/db\_xref="taxon:9606"  
/clone="IMAGE:2819454"  
/tissue\_type="small cell carcinoma"  
/cell\_line="MGC3"  
/lab\_host="DH10B (phage-resistant)"  
/clone\_lib="NIH\_MGC\_7"

/notes="Organ: lung; Vector: pOTB7; Site 1: XhoI; Site 2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCCAGG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."

BASE COUNT 3 a 0 c 3 g 10 t

Query Match 0.8%; Score 11.2; DB 1; Length 16;

Best Local Similarity 81.2%; Pred. No. 20; Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1145 TTTTCTTTTGGAA 1160

Db 1 TTTTCTTTTGGAA 16

#### RESULT 50

AW245585

LOCUS

DEFINITION 15 bp mRNA linear EST 07-JAN-2000  
2822740.3prime NIH\_MGC\_7 Homo sapiens cDNA clone IMAGE:2822740 3', mRNA sequence.

ACCESSION AW245585

VERSION AW245585.1 GI:6588578

KEYWORDS EST.

SOURCE Homo sapiens

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 15)

AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.

TITLE National Institutes of Health, Mammalian Gene Collection (MGC)

JOURNAL Unpublished

COMMENT Other ESTs: 2822740.5prime

Contact: Robert Strausberg, Ph.D.

Email: [cgabs@mail.nih.gov](mailto:cgabs@mail.nih.gov)

Tissue Procurement: DCTD/DTF cDNA Library Preparation: Ling

Hong/Rubin laboratory cDNA Library Arrayed by: The I.M.A.G.E.

Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing

project Clone distribution: MGC clone distribution information can

be found through the I.M.A.G.E. Consortium/LLNL at:

[www-bio.llnl.gov/bbrp/image/image.html](http://www-bio.llnl.gov/bbrp/image/image.html) Base Calling / Quality

Scores: PHRED from University of Washington Genome Center. Vector

Trimming: cross match from University of Washington Genome Center

PHRAP suite. Poly-T identification: patMatch.pl from Berkeley

Drosophila Genome Project. University of Washington Genome Center:

<http://www.genome.washington.edu> Low Quality Sequence: 6 contiguous

PHRED high quality bases following vector sequence. Very Low

Quality Sequence: Trace file contained 15 contiguous distinct peaks

following vector sequence. Polyadenylation: Based upon the presence

of a XhoI site followed by a run of 14 or more T residues at the

beginning of the sequence, this cDNA insert was polyadenylated.

Plate: LLCM10 row: D column: 5

High quality sequence stop: 6.

#### FEATURES

source

Location/Qualifiers  
1. 15  
/organism="Homo sapiens"  
/mol\_type="mRNA"  
/db\_xref="taxon:9606"  
/clone="IMAGE:2822740"  
/tissue\_type="small cell carcinoma"  
/cell\_line="MGC3"  
/lab\_host="DH10B (phage-resistant)"  
/clone\_lib="NIH\_MGC\_7"

/notes="Organ: lung; Vector: pOTB7; Site 1: XhoI; Site 2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCCAGG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."

BASE COUNT 3 a 0 c 0 g 12 t

Query Match 0.8%; Score 10.8; DB 1; Length 15;

Best Local Similarity 85.7%; Pred. No. 22;

Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1112 TTTTCTTTTAATT 1125

Db 1 TTTTCTTTTAATT 14

#### RESULT 51

BQ594980

LOCUS

DEFINITION

15 bp mRNA linear EST 06-DEC-2002  
EQ12711-024-023-J24-SP6 MP12-ADIS-024-developing root Beta vulgaris

cDNA clone 024-023-J24 5-PRIME, mRNA sequence.

ACCESSION BQ594980

VERSION BQ594980.1 GI:26124563

KEYWORDS EST.

SOURCE Beta vulgaris

ORGANISM

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;

Caryophyllales; Amaranthaceae; Beta.

REFERENCE 1 (bases 1 to 15)

AUTHORS Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,

Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.

and Radloff,U.

Construction of a 'unigene' cDNA clone set by oligonucleotide

fingerprinting allows access to 25 000 potential sugar beet genes

Plant J. 32 (5), 845-857 (2002)

Contact: Weisshaar B

ADIS DNA core facility at MP1Z

Max-Planck-Institute for Plant Breeding Research

Carl-von-Linne Weg 10, 50829 Koeln, Germany

Fax: 00492215062851

Email: [weisshaar@mpiz-koeln.mpg.de](mailto:weisshaar@mpiz-koeln.mpg.de)

Insert Length: 15 Std Error: 0.00

Plate: 23 row: J column: 24

Seq primer: SP6; CATACGATTAGTGACACTATAG.

Location/Qualifiers

1. 15

source

/organism="Beta vulgaris"

/mol\_type="mRNA"

/cultivar="KWS2320 (double haploid, monogerm breeding line

)"

/db\_xref="taxon:161934"

/clone="024-023-J24"

/tissue\_type="developing root"

/lab\_host="EMDH10B"

/clone\_lib="MP1Z-ADIS-024-developing root"

/note="Vector: PCMVSPORT6; Site 1: SalI; Site 2: NotI;

cDNA library from sugar beet, library provided by KWS

Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:  
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and  
orientation:

SP6-Sali-CCACGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:  
Sequencing granted in the context of the GABI-Beet project  
local PI: Dr. Katharina Schneider, coordinator: Prof.  
Christian Jung; Sequence submission managed by  
RZPD/GABI-Primary database: <http://gabi.rzpd.de>

BASE COUNT 2 a 2 g 8 t

Query Match 0.8%; Score 10.8; DB 1; Length 15;  
Best Local Similarity 85.7%; Pred. No. 22;  
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1141 GCCTTTTCTTTCTTT 1154  
|||||  
Db 2 GCCTTTTCTTTCTTT 15

RESULT 52

CA796369

LOCUS

DEFINITION Cac BL 3383 Cac BL (Bean and Leaf from Amelonardo type Cacao)

CA796369 Theobroma cacao cDNA clone Cac\_BL\_3383 5', mRNA sequence.

ACCESSION

CA796369.1

GI:26053445

EST.

SOURCE

ORGANISM

Theobroma cacao (cacao)

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids

; eurosids II; Malvales; Malvaceae; Byttnerioideae; Theobroma.

1 (bases 1 to 15)

Jones, P.G., Allaway, D., Gilmour, D.M., Harris, C., Rankin, D., Retzel

, E.R. and Jones, C.A.

Gene discovery and microarray analysis of cacao (Theobroma cacao

L.) varieties

Planta 216 (2), 255-264 (2002)

22337596

PUBMED

12447539

COMMENT

Contact: Jones, Paul

3d Dundee Road, Slough, Berkshire, UK, SL1 4LG

Tel: +44 1664 416644

Email: Paul.Jones@eu.affem.com

Seq primer: T3.

Location/Qualifiers

1. .15

/organism="Theobroma cacao"

/mol\_type="mRNA"

/strain="Amelonado type"

/db\_xref="taxon:3641"

/clone="Cac BL 3383"

/tissue\_type="Mature leaf and mature bean"

/cell\_type="Whole organ"

/dev\_stage="maturity"

/lab\_host="XU-1 Blue MRF"

/clone\_lib="Cac BL (Bean and Leaf from Amelonardo type

Cacao)"

/note="Vector: pBK-CMV; Bean and leaf tissue from an

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Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1265 TTGAGGCCCTTTGT 1278

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Db 2 TTGAGGCCCTTTAT 15

RESULT 53

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;

BQ582536

LOCUS

DEFINITION

S013300-024-007-P01-T7 MP1Z-ADIS-024-inflorescence Beta vulgaris

cDNA clone 024-007-P01 3-PRIME, mRNA sequence.

ACCESSION

BQ582536

VERSION

BQ582536.1

GI:26112113

EST.

KEYWORDS

SOURCE

ORGANISM

Beta vulgaris

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;

Caryophyllales; Amaranthaceae; Beta.

1 (bases 1 to 12)

Herwig, R., Schulz, B., Weisshaar, B., Hennig, S., Steinfath, M.,

Drungowski, M., Stahl, D., Wruck, W., Menze, A., O'Brien, J., Leirach, H.

and Radelof, U.

Construction of a 'unigene' cDNA clone set by oligonucleotide

fingerprinting allows access to 25 000 potential sugar beet genes

Plant J. 32 (5), 845-857 (2002)

Contact: Weisshaar, B

ADIS DNA core facility at MP1Z

Max-Planck-Institute for Plant Breeding Research

Carl-von-Linne Weg 10, 50829 Köln, Germany

Fax: 00492215062851

Email: weisshaar@mpiz-koeln.mpg.de

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Seq primer: T7; GTAATAGGACTACTATAGGC.

Location/Qualifiers

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/db\_xref="GABI:184167"

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/lab\_host="EMDH10B"

/clone\_lib="MP1Z-ADIS-024-inflorescence"

/note="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;

cDNA library from sugar beet, library provided by KWS

Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:

b.schulz@kws.de; cloning sites Sali-NotI, primer sites and

orientation:

SP6-Sali-CCACGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:

Sequencing granted in the context of the GABI-Beet project

local PI: Dr. Katharina Schneider, coordinator: Prof.

Christian Jung; Sequence submission managed by

RZPD/GABI-Primary database: <http://gabi.rzpd.de>

BASE COUNT 0 a 0 c 0 g 12 t

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Best Local Similarity 91.7%; Pred. No. 20;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 1 TTTTTCCTTT 12

RESULT 54

BQ588719

LOCUS

DEFINITION

S013713-024-014-P24-T7 MP1Z-ADIS-024-storage root Beta vulgaris

cDNA clone 024-014-P24 3-PRIME, mRNA sequence.

ACCESSION

BQ588719

VERSION

BQ588719.1

GI:26118302

EST.

KEYWORDS

SOURCE

ORGANISM

Beta vulgaris

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;

Caryophyllales; Amaranthaceae; Beta.  
 1 (bases 1 to 12)  
**REFERENCE**  
**AUTHORS**  
 Herwig,R., Schulz,B., Weishaar,B., Hennig,S., Steinfath,M.,  
 Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.  
 and Radelof,U.  
**TITLE**  
 Construction of a 'unigene' cDNA clone set by oligonucleotide  
 fingerprinting allows access to 25 000 potential sugar beet genes  
**JOURNAL**  
 Plant J. 32 (5), 845-857 (2002)  
**COMMENT**  
 Contact: Weishaar B  
 ADIS DNA core facility at MPIZ  
 Max-Planck-Institute for Plant Breeding Research  
 Carl-von-Linne Weg 10, 50829 Koeln, Germany  
 Fax: 00492215062851  
 Email: weishaar@piz-koeln.mpg.de  
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**FEATURES**  
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 Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:  
 b.schulz@kws.de; cloning sites Sali-NotI, primer sites and  
 orientation:  
 SP6-Sali-CCACGGCTCCG-Sprime-cDNA-polyA-CC-NotI-T7; Note:  
 Sequencing granted in the context of the GABI-Beet project  
 , local PI: Dr. Katharina Schneider, coordinator: Prof.  
 Christian Jung; Sequence submission managed by  
 RZPD/GABI-Primary database: http://gabi.rzpd.de"  
 RZPD/GABI-Primary database: http://gabi.rzpd.de"  
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 Db 1 TTTTTCCTTT 12  
 RESULT 55  
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 LOCUS  
 E012404-024-024-E05-T7 MP1Z-ADIS-024-developing root Beta vulgaris  
 cDNA clone 024-024-E05 3-PRIME, mRNA sequence.  
 BQ594698  
 ACCESSION  
 VERSION  
 BQ594698.1 GI:26124281  
 EST.  
 Beta vulgaris  
 Beta vulgaris  
 ORGANISM  
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;  
 Caryophyllales; Amaranthaceae; Beta.  
 1 (bases 1 to 12)  
**REFERENCE**  
**AUTHORS**  
 Herwig,R., Schulz,B., Weishaar,B., Hennig,S., Steinfath,M.,  
 Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.  
 and Radelof,U.  
**TITLE**  
 Construction of a 'unigene' cDNA clone set by oligonucleotide  
 fingerprinting allows access to 25 000 potential sugar beet genes  
**JOURNAL**  
 Plant J. 32 (5), 845-857 (2002)  
**COMMENT**  
 Contact: Weishaar B  
 ADIS DNA core facility at MPIZ  
 Max-Planck-Institute for Plant Breeding Research

Carl-von-Linne Weg 10, 50829 Koeln, Germany  
 Fax: 00492215062851  
 Email: weishaar@piz-koeln.mpg.de  
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 cDNA library from sugar beet, library provided by KWS  
 Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:  
 b.schulz@kws.de; cloning sites Sali-NotI, primer sites and  
 orientation:  
 SP6-Sali-CCACGGCTCCG-Sprime-cDNA-polyA-CC-NotI-T7; Note:  
 Sequencing granted in the context of the GABI-Beet project  
 , local PI: Dr. Katharina Schneider, coordinator: Prof.  
 Christian Jung; Sequence submission managed by  
 RZPD/GABI-Primary database: http://gabi.rzpd.de"  
 RZPD/GABI-Primary database: http://gabi.rzpd.de"  
 BASE COUNT 0 a 0 c 0 g 12 t  
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 Db 1 TTTTTCCTTT 12  
 RESULT 56  
 BQ668943/c 12 bp mRNA linear EST 30-APR-2001  
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 DRN03E05 Rat DRG Library Rattus norvegicus cDNA clone DRN03E05 5',  
 mRNA sequence.  
 BQ668943  
 ACCESSION  
 VERSION  
 BQ668943.1 GI:13890865  
 EST.  
 Rattus norvegicus (Norway rat)  
 Rattus norvegicus  
 ORGANISM  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;  
 Rattus.  
 1 (bases 1 to 12)  
**REFERENCE**  
**AUTHORS**  
 Xiao,H.S., Huang,Q.H., Zhang,F.X., Bao,L., Lu,Y.J., Guo,C., Yang,L.,  
 Huang,W.J., Fu,G., Xu,S.H., Cheng,X.P., Yan,Q., Zhu,Z.D., Zhang  
 X., Chen,Z., Han,Z.G. and Zhang,X.  
 Identification of gene expression profile of dorsal root ganglion  
 in the rat peripheral axotomy model of neuropathic pain  
**TITLE**  
 Proc. Natl. Acad. Sci. U.S.A. 99 (12), 8360-8366 (2002)  
**JOURNAL**  
 MEDLINE  
 22056133  
 PUBMED  
 12060780  
**COMMENT**  
 Contact: Zhang Xu  
 Laboratory of Sensory System  
 Institute of Neuroscience  
 320 Yue Yang Road, Shanghai 200031, P.R.China  
 Tel: 86-21-64748700-121  
 Fax: 86-21-64713446  
 Email: xu.zhang@ion.ac.cn  
 This clone is also available at Chinese National Human Genome  
 Center at Shanghai, 351 Guo Shoujing Road, Zhangjiang Hi-Tech Park,  
 Pudong New Area, P.R.China. Please contact with Zhang Xu  
 (xu.zhang@ion.ac.cn) or Han Zeguang (hanzg@chgc.sh.cn)  
 PCR Primers

RESULT 58

**KEYWORDS** EST.  
**SOURCE** Homo sapiens (human)  
**ORGANISM** Homo sapiens  
**REFERENCE** Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
**AUTHORS** 1 (bases 1 to 19)  
**TITLE** NCI/NIDR-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.  
**JOURNAL** National Cancer Institute / National Institute of Dental Research, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index  
**COMMENT** Unpublished  
 Contact: Robert Strausberg, Ph.D.  
 Email: cgapbs-remail.nih.gov  
 Tissue Procurement: John Ensley, M.D.  
 CDNA Library Preparation: Stratagene, Inc.  
 CDNA Library Arrayed by: Greg Lennon, Ph.D.  
 DNA Sequencing by: Washington University Genome Sequencing Center  
 Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at: www.bio.llnl.gov/bbrp/image/image.html  
 Trace considered overall poor quality  
 Seq primer: -40ml3 fwd. ET from Amersham  
 High quality sequence stop: 1.  
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 Db 15 GTCCCGCCACCGCCAT 1  
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**LOCUS** BQ594980  
**DEFINITION** E012711-024-023-J24-SP6 MP1Z-ADIS-024-developing root Beta vulgaris CDNA clone 024-023-J24 5-PRIME, mRNA sequence.  
**ACCESSION** BQ594980  
**VERSION** BQ594980.1 GI:26124563  
**KEYWORDS** EST.  
**SOURCE** Beta vulgaris  
**ORGANISM** Beta vulgaris  
**REFERENCE** Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Caryophyllales; Amaranthaceae; Beta.  
 1 (bases 1 to 15)  
 Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M., Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H. and Radelof,U.  
**TITLE** Construction of a 'unigene' cDNA clone set by oligonucleotide fingerprinting allows access to 25 000 potential sugar beet genes  
**JOURNAL** Plant J. 32 (5), 845-857 (2002)  
**COMMENT** Contact: Weisshaar B  
 ADIS DNA core facility at MP1Z  
 Max-planck-Institute for Plant Breeding Research  
 Carl-von-Linne Weg 10, 50829 Koeln, Germany  
 Fax: 00492215062851

Email: weissshaampiz-koeln.mpg.de  
 Insert Length: 15 Std Error: 0.00  
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 SP6-Sali-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note: Sequencing granted in the context of the GABI-Beet project, local PI: Dr. Katharina Schneider, coordinator: Prof. Christian Jung; Sequence submission managed by RZPD/GABI-Primary database: http://gabi.rzpd.de"

**BASE COUNT** 2 a 3 c 2 g 8 t  
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 Best Local Similarity 73.3%; Pred. No. 53;  
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 QY 341 ATAGTCACAGTGGCC 355  
 Db 15 ATAGTAAAAAGGCC 1  
 Search completed: January 8, 2004, 16:50:05  
 Job time : 2 secs



LOCUS AX422238 17 bp mRNA linear PAT 18-JUN-2002  
DEFINITION Sequence 574 from Patent WO0188124.  
ACCESSION AX422238  
VERSION AX422238.1 GI:21525620  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1 Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and  
TITLE Method and reagent for the inhibition of erg  
JOURNAL Patent: WO 0188124-A 574 22-NOV-2001;  
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)  
FEATURES  
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LOCUS AX422239/c 17 bp mRNA linear PAT 18-JUN-2002  
DEFINITION Sequence 575 from Patent WO0188124.  
ACCESSION AX422239  
VERSION AX422239.1 GI:21525621  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1 Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and  
TITLE Method and reagent for the inhibition of erg  
JOURNAL Patent: WO 0188124-A 575 22-NOV-2001;  
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)  
FEATURES  
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DEFINITION Sequence 1148 from Patent WO0188124.  
ACCESSION AX422812  
VERSION AX422812.1 GI:21526194  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens

REFERENCE 1 Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and  
TITLE Method and reagent for the inhibition of erg  
JOURNAL Patent: WO 0188124-A 1148 22-NOV-2001;  
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)  
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Db 6 TCCAGGAAGTCTG 17  
RESULT 1502  
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DEFINITION Sequence 1376 from Patent WO0188124.  
ACCESSION AX423040  
VERSION AX423040.1 GI:21526422  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1 Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and  
TITLE Method and reagent for the inhibition of erg  
JOURNAL Patent: WO 0188124-A 1376 22-NOV-2001;  
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)  
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DEFINITION Sequence 1582 from Patent WO0188124.  
ACCESSION AX423246  
VERSION AX423246.1 GI:21526628  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1 Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and  
TITLE Method and reagent for the inhibition of erg  
JOURNAL Patent: WO 0188124-A 1582 22-NOV-2001;

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DEFINITION Sequence 1764 from Patent WO0188124.  
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VERSION AX423428.1 GI:21526810  
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SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1  
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.  
TITLE Method and reagent for the inhibition of erg  
JOURNAL Patent: WO 0188124-A 1764 22-NOV-2001;  
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)  
FEATURES  
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Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

BASE COUNT 4 a 4 c 5 g 4 t

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Db

RESULT 1505  
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LOCUS AX423450 17 bp mRNA linear PAT 18-JUN-2002  
DEFINITION Sequence 1786 from Patent WO0188124.  
ACCESSION AX423450  
VERSION AX423450.1 GI:21526832  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1  
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.  
TITLE Method and reagent for the inhibition of erg  
JOURNAL Patent: WO 0188124-A 1786 22-NOV-2001;  
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)  
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7 a 3 c 6 g 1 t

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Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 AGATGGCAGAAC 12

Db

RESULT 1506  
AX423780  
LOCUS AX423780 17 bp mRNA linear PAT 18-JUN-2002  
DEFINITION Sequence 2116 from Patent WO0188124.  
ACCESSION AX423780  
VERSION AX423780.1 GI:21527162  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1  
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.  
TITLE Method and reagent for the inhibition of erg  
JOURNAL Patent: WO 0188124-A 2116 22-NOV-2001;  
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)  
FEATURES  
source  
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Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

BASE COUNT 3 a 3 c 4 g 7 t

QY 469 TCCAGGAAGTCTG 480  
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5 TCCAGGAAGTCTG 16

Db

RESULT 1507  
AX423781  
LOCUS AX423781 17 bp mRNA linear PAT 18-JUN-2002  
DEFINITION Sequence 2117 from Patent WO0188124.  
ACCESSION AX423781  
VERSION AX423781.1 GI:21527163  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1  
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.  
TITLE Method and reagent for the inhibition of erg  
JOURNAL Patent: WO 0188124-A 2117 22-NOV-2001;  
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)  
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/mol\_type="mRNA"  
/db\_xref="taxon:9606"  
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Query Match 1.1%; Score 12; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

BASE COUNT 3 a 3 c 5 g 6 t

QY 469 TCCAGGAAGTCTG 480  
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Db 4 TCCAGGAACCTTG 15

RESULT 1508
AX427088/c
LOCUS AX427088 17 bp DNA linear PAT 18-JUN-2002
DEFINITION Sequence 52 from Patent WO0196604.
ACCESSION AX427088
VERSION AX427088.1 GI:21530471
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Bee, G., Kohne, D. E., Korb, L., Peterson, T. and Xquerabide, J.
TITLE Assay for genetic polymorphisms using scattered light detectable
JOURNAL labels
PATENT: WO 0196604-A 52 20-DEC-2001;
Genicon Sciences Corporation (US)
FEATURES
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1..17
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Exemplary probe for CYP2D6 allele detection"
BASE COUNT 3 a 3 c 9 g 2 t

Query Match 1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 403 CCTGCTCCAGC 414
|||||
Db 12 CCTGCTCCAGC 1

RESULT 1509
AX648753/c
LOCUS AX648753 17 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 593 from Patent EP1273660.
ACCESSION AX648753
VERSION AX648753.1 GI:29151571
KEYWORDS Human sodium-hydrogen exchanger like protein 1
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Gu, Y.
TITLE Human sodium-hydrogen exchanger like protein 1
JOURNAL Patent: EP 1273660-A 593 08-JAN-2003;
Aeomica, Inc. (US)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 3 a 6 c 4 g 4 t

Query Match 1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 757 AGGAGATGGCAG 768
|||||
Db 17 AGGAGATGGCAG 6

RESULT 1510
AX648754/c
LOCUS AX648754 17 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 594 from Patent EP1273660.
ACCESSION AX648754
VERSION AX648754.1 GI:29151574
KEYWORDS Human sodium-hydrogen exchanger like protein 1
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Gu, Y.
TITLE Human sodium-hydrogen exchanger like protein 1
JOURNAL Patent: EP 1273660-A 594 08-JAN-2003;
Aeomica, Inc. (US)
FEATURES
source
1..17
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 3 a 6 c 4 g 4 t

Query Match 1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 757 AGGAGATGGCAG 768
|||||
Db 15 AGGAGATGGCAG 4

RESULT 1511
AX648755/c
LOCUS AX648755 17 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 595 from Patent EP1273660.
ACCESSION AX648755
VERSION AX648755.1 GI:29151573
KEYWORDS Human sodium-hydrogen exchanger like protein 1
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Gu, Y.
TITLE Human sodium-hydrogen exchanger like protein 1
JOURNAL Patent: EP 1273660-A 595 08-JAN-2003;
Aeomica, Inc. (US)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 3 a 7 c 3 g 4 t

Query Match 1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 757 AGGAGATGGCAG 768
|||||
Db 16 AGGAGATGGCAG 5

RESULT 1512
AX648756/c
LOCUS AX648756 17 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 596 from Patent EP1273660.
ACCESSION AX648756
VERSION AX648756.1 GI:29151574
KEYWORDS Human sodium-hydrogen exchanger like protein 1
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Gu, Y.
TITLE Human sodium-hydrogen exchanger like protein 1
JOURNAL Patent: EP 1273660-A 596 08-JAN-2003;
Aeomica, Inc. (US)
FEATURES
source
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 3 a 7 c 3 g 4 t

Query Match 1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 757 AGGAGATGGCAG 768
|||||
Db 15 AGGAGATGGCAG 4
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JOURNAL Patent: EP 1273660-A 596 08-JAN-2003;  
Aeomica, Inc. (US)

FEATURES  
source Location/Qualifiers

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/organism="Homo sapiens"  
/mol\_type="genomic DNA"  
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BASE COUNT 4 a 7 c 2 g 4 t

Query Match 1..1%; Score 12; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 757 AGGAGATGGCAG 768

Db 14 AGGAGATGGCAG 3

RESULT 1513

AX648757/c

LOCUS AX648757 17 bp DNA linear PAT 22-MAR-2003

DEFINITION Sequence 597 from Patent EP1273660.

ACCESSION AX648757

VERSION AX648757.1 GI:29151575

KEYWORDS

SOURCE

ORGANISM Homo sapiens (human)

REFERENCE 1

AUTHORS

TITLE

JOURNAL Human sodium-hydrogen exchanger like protein 1

Patent: EP 1273660-A 597 08-JAN-2003;

Aeomica, Inc. (US)

FEATURES

source

1..17  
/organism="Homo sapiens"  
/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"

BASE COUNT 3 a 7 c 2 g 5 t

Query Match 1..1%; Score 12; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 757 AGGAGATGGCAG 768

Db 13 AGGAGATGGCAG 2

RESULT 1514

AX648758/c

LOCUS AX648758 17 bp DNA linear PAT 22-MAR-2003

DEFINITION Sequence 598 from Patent EP1273660.

ACCESSION AX648758

VERSION AX648758.1 GI:29151576

KEYWORDS

SOURCE

ORGANISM Homo sapiens (human)

REFERENCE 1

AUTHORS

TITLE

JOURNAL Human sodium-hydrogen exchanger like protein 1

Patent: EP 1273660-A 598 08-JAN-2003;

Aeomica, Inc. (US)

FEATURES

source

1..17  
/organism="Homo sapiens"  
/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"

BASE COUNT 2 a 8 c 2 g 5 t

Query Match 1..1%; Score 12; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 757 AGGAGATGGCAG 768

Db 12 AGGAGATGGCAG 1

RESULT 1515

AX676084/c

LOCUS AX676084 17 bp DNA linear PAT 27-MAR-2003

DEFINITION Sequence 37 from Patent WO02059381.

ACCESSION AX676084

VERSION AX676084.1 GI:29333768

KEYWORDS

SOURCE

ORGANISM Mus sp.

REFERENCE 1

AUTHORS Slangenhuysen, S. and Gusella, J.F.

TITLE Gene for identifying individuals with familial dysautonomia

JOURNAL Patent: WO 02059381-A 37 01-AUG-2002;

The General Hospital Corporation (US)

FEATURES Location/Qualifiers

source

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/organism="Mus sp."

/mol\_type="genomic DNA"

/db\_xref="taxon:10095"

BASE COUNT 2 a 3 c 4 g 8 t

Query Match 1..1%; Score 12; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 TGAAGAAGACAGC 923

Db 14 TGAAGAAGACAGC 3

RESULT 1516

AX690409

LOCUS AX690409 17 bp DNA linear PAT 31-MAR-2003

DEFINITION Sequence 3141 from Patent EP1281758.

ACCESSION AX690409

VERSION AX690409.1 GI:29413290

KEYWORDS

SOURCE

ORGANISM Homo sapiens (human)

REFERENCE 1

AUTHORS Shannon, M., Gu, Y. and Nguyen, C.T.

TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and

mdz12

JOURNAL Patent: EP 1281758-A 3141 05-FEB-2003;

Aeomica, Inc. (US)

FEATURES Location/Qualifiers

source

1..17

/organism="Homo sapiens"

/mol\_type="genomic DNA"

/db\_xref="taxon:9606"

BASE COUNT 5 a 5 c 4 g 3 t

Query Match 1..1%; Score 12; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 317 AGACTGCAGAGA 328

Db 6 AGACTGCAGAGA 17

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RESULT 1517
AX726672/c
LOCUS      Mus musculus (house mouse)
DEFINITION Sequence 3142 from Patent EPI281758.
ACCESSION  AX726672.1
VERSION     AX726672.1
KEYWORDS    Mus musculus
SOURCE      Mus musculus
ORGANISM    Mus musculus (house mouse)

REFERENCE
  1. Telerman, A., Anson, R. and Tuijnder, M.
  Sequences involved in phenomena of tumour suppression, tumour
  reversal, apoptosis and/or virus resistance and their use as
  medicines.
  Patent: WO 03025176-A 4359 27-MAR-2003;
  Molecular Engines Laboratories (FR)

FEATURES
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    Query Match      1.1%; Score 12; DB 1; Length 17;
    Best Local Similarity 100.0%; Pred. No. 1.1e+03;
    Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      560 ACAGCAGGGATC 571
Db      12 ACAGCAGGGATC 1

RESULT 1520
AX728023/c
LOCUS      Mus musculus (house mouse)
DEFINITION Sequence 5710 from Patent WO03025176.
ACCESSION  AX728023
VERSION     AX728023.1
KEYWORDS    Mus musculus
SOURCE      Mus musculus
ORGANISM    Mus musculus (house mouse)

REFERENCE
  1. Telerman, A., Anson, R. and Tuijnder, M.
  Sequences involved in phenomena of tumour suppression, tumour
  reversal, apoptosis and/or virus resistance and their use as
  medicines.
  Patent: WO 03025176-A 5710 27-MAR-2003;
  Molecular Engines Laboratories (FR)

FEATURES
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    /db_xref="taxon:10090"
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    Best Local Similarity 100.0%; Pred. No. 1.1e+03;
    Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      855 CCCACTGGTGAT 866
Db      13 CCCACTGGTGAT 2

RESULT 1521
AX729303/c
LOCUS      Homo sapiens (human)
DEFINITION Sequence 937 from Patent WO03025175.
ACCESSION  AX729303
VERSION     AX729303.1
KEYWORDS    Homo sapiens
SOURCE      Homo sapiens
ORGANISM    Homo sapiens (human)

REFERENCE
  1. Telerman, A., Anson, R. and Tuijnder, M.
  Sequences involved in phenomena of tumour suppression, tumour
  reversal, apoptosis and/or virus resistance and their use as
  medicines.
  Patent: WO 03025176-A 5710 27-MAR-2003;
  Molecular Engines Laboratories (FR)

FEATURES
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    /mol_type="genomic DNA"
    /db_xref="taxon:10090"
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    Best Local Similarity 100.0%; Pred. No. 1.1e+03;
    Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1084 AAAAAAAAAA 1095
Db      17 AAAAAAAAAA 6

RESULT 1519
AX726672/c
LOCUS      Mus musculus (house mouse)
DEFINITION Sequence 3142 from Patent EPI281758.
ACCESSION  AX726672.1
VERSION     AX726672.1
KEYWORDS    Mus musculus
SOURCE      Mus musculus
ORGANISM    Mus musculus (house mouse)

REFERENCE
  1. Telerman, A., Anson, R. and Tuijnder, M.
  Sequences involved in phenomena of tumour suppression, tumour
  reversal, apoptosis and/or virus resistance and their use as
  medicines.
  Patent: WO 03025176-A 4359 27-MAR-2003;
  Molecular Engines Laboratories (FR)

FEATURES
  source
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    /db_xref="taxon:10090"
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    Query Match      1.1%; Score 12; DB 1; Length 17;
    Best Local Similarity 100.0%; Pred. No. 1.1e+03;
    Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      560 ACAGCAGGGATC 571
Db      12 ACAGCAGGGATC 1

RESULT 1518
AX723850/c
LOCUS      Mus musculus (house mouse)
DEFINITION Sequence 1537 from Patent WO03025176.
ACCESSION  AX723850
VERSION     AX723850.1
KEYWORDS    Mus musculus
SOURCE      Mus musculus
ORGANISM    Mus musculus (house mouse)

REFERENCE
  1. Telerman, A., Anson, R. and Tuijnder, M.
  Sequences involved in phenomena of tumour suppression, tumour
  reversal, apoptosis and/or virus resistance and their use as
  medicines.
  Patent: WO 03025176-A 1537 27-MAR-2003;
  Molecular Engines Laboratories (FR)

FEATURES
  source
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    /db_xref="taxon:10090"
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    Best Local Similarity 100.0%; Pred. No. 1.1e+03;
    Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      317 AGACTGCAGAGA 328
Db      5 AGACTGCAGAGA 16

RESULT 1519
AX726672/c
LOCUS      Mus musculus (house mouse)
DEFINITION Sequence 3142 from Patent EPI281758.
ACCESSION  AX726672.1
VERSION     AX726672.1
KEYWORDS    Mus musculus
SOURCE      Mus musculus
ORGANISM    Mus musculus (house mouse)

REFERENCE
  1. Telerman, A., Anson, R. and Tuijnder, M.
  Sequences involved in phenomena of tumour suppression, tumour
  reversal, apoptosis and/or virus resistance and their use as
  medicines.
  Patent: WO 03025176-A 4359 27-MAR-2003;
  Molecular Engines Laboratories (FR)

FEATURES
  source
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    Best Local Similarity 100.0%; Pred. No. 1.1e+03;
    Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      560 ACAGCAGGGATC 571
Db      12 ACAGCAGGGATC 1

RESULT 1520
AX728023/c
LOCUS      Mus musculus (house mouse)
DEFINITION Sequence 5710 from Patent WO03025176.
ACCESSION  AX728023
VERSION     AX728023.1
KEYWORDS    Mus musculus
SOURCE      Mus musculus
ORGANISM    Mus musculus (house mouse)

REFERENCE
  1. Telerman, A., Anson, R. and Tuijnder, M.
  Sequences involved in phenomena of tumour suppression, tumour
  reversal, apoptosis and/or virus resistance and their use as
  medicines.
  Patent: WO 03025176-A 5710 27-MAR-2003;
  Molecular Engines Laboratories (FR)

FEATURES
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    /mol_type="genomic DNA"
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    Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      560 ACAGCAGGGATC 571
Db      12 ACAGCAGGGATC 1

RESULT 1521
AX729303/c
LOCUS      Homo sapiens (human)
DEFINITION Sequence 937 from Patent WO03025175.
ACCESSION  AX729303
VERSION     AX729303.1
KEYWORDS    Homo sapiens
SOURCE      Homo sapiens
ORGANISM    Homo sapiens (human)

REFERENCE
  1. Telerman, A., Anson, R. and Tuijnder, M.
  Sequences involved in phenomena of tumour suppression, tumour
  reversal, apoptosis and/or virus resistance and their use as
  medicines.
  Patent: WO 03025176-A 5710 27-MAR-2003;
  Molecular Engines Laboratories (FR)

FEATURES
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    /mol_type="genomic DNA"
    /db_xref="taxon:10090"
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    Best Local Similarity 100.0%; Pred. No. 1.1e+03;
    Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      560 ACAGCAGGGATC 571
Db      12 ACAGCAGGGATC 1

```

Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.

## REFERENCE

1 Telerman,A., Amson,R. and Tuijnder,M.

Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as

## JOURNAL

Patent: WO 03025175-A 937 27-MAR-2003;

Molecular Engines Laboratories (FR)

## FEATURES

Location/Qualifiers

1. .17

/organism="Homo sapiens"

/mol\_type="genomic DNA"

/db\_xref="taxon:9606"

3 a 7 c 3 g 4 t

## BASE COUNT

Query Match 1.1%; Score 12; DB 1; Length 17;

Best Local Similarity 100.0%; Pred. No. 1.1e+03;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 685 GATCTGCACACC 696

Db 1 GATCTGCACACC 12

## RESULT 1522

AX729345/c

LOCUS AX729345 17 bp DNA linear PAT 08-MAY-2003

DEFINITION Sequence 979 from Patent WO03025175.

ACCESSION AX729345

VERSION AX729345.1 GI:30508688

## KEYWORDS

SOURCE Homo sapiens (human)

## ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.

## REFERENCE

1 Telerman,A., Amson,R. and Tuijnder,M.

Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as

## JOURNAL

Patent: WO 03025175-A 979 27-MAR-2003;

Molecular Engines Laboratories (FR)

## FEATURES

Location/Qualifiers

1. .17

/organism="Homo sapiens"

/mol\_type="genomic DNA"

/db\_xref="taxon:9606"

1 a 5 c 4 g 7 t

## BASE COUNT

Query Match 1.1%; Score 12; DB 1; Length 17;

Best Local Similarity 100.0%; Pred. No. 1.1e+03;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 260 AGACAGGAGCAC 271

Db 17 AGACAGGAGCAC 6

## RESULT 1523

AX732200

LOCUS AX732200 17 bp DNA linear PAT 08-MAY-2003

DEFINITION Sequence 3834 from Patent WO03025175.

ACCESSION AX732200

VERSION AX732200.1 GI:30511543

## KEYWORDS

SOURCE Homo sapiens (human)

## ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.

## REFERENCE

1 Telerman,A., Amson,R. and Tuijnder,M.

Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as

## JOURNAL

Patent: WO 03025175-A 3834 27-MAR-2003;

Molecular Engines Laboratories (FR)

## FEATURES

source

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/organism="Homo sapiens"

/mol\_type="genomic DNA"

/db\_xref="taxon:9606"

7 a 2 c 6 g 2 t

## BASE COUNT

Query Match 1.1%; Score 12; DB 1; Length 17;

Best Local Similarity 100.0%; Pred. No. 1.1e+03;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 770 ACTGGAGAGAA 781

Db 6 ACTGGAGAGAA 17

## RESULT 1524

AX732633

LOCUS AX732633 17 bp DNA linear PAT 08-MAY-2003

DEFINITION Sequence 4267 from Patent WO03025175.

ACCESSION AX732633

VERSION AX732633.1 GI:30511976

## KEYWORDS

SOURCE Homo sapiens (human)

## ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.

## REFERENCE

1 Telerman,A., Amson,R. and Tuijnder,M.

Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as

## JOURNAL

Patent: WO 03025175-A 4267 27-MAR-2003;

Molecular Engines Laboratories (FR)

## FEATURES

source

1. .17

/organism="Homo sapiens"

/mol\_type="genomic DNA"

/db\_xref="taxon:9606"

12 a 2 c 1 g 2 t

## BASE COUNT

Query Match 1.1%; Score 12; DB 1; Length 17;

Best Local Similarity 100.0%; Pred. No. 1.1e+03;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1083 TAAAAA 1094

Db 6 TAAAAA 17

## RESULT 1525

AX733833/c

LOCUS AX733833 17 bp DNA linear PAT 08-MAY-2003

DEFINITION Sequence 5467 from Patent WO03025175.

ACCESSION AX733833

VERSION AX733833.1 GI:30513176

## KEYWORDS

SOURCE Homo sapiens (human)

## ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.

## REFERENCE

1 Telerman,A., Amson,R. and Tuijnder,M.

Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as

## JOURNAL

Patent: WO 03025175-A 5467 27-MAR-2003;

Molecular Engines Laboratories (FR)

## FEATURES

source

1. .17

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BASE COUNT      4 a      6 c      3 g      4 t
Query Match      1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 992 TGGAGTCTGAG 1003
| | | | | | | | | |
Db 15 TGGAGTCTGAG 4

RESULT 1526
AX735353/c      17 bp      DNA      linear      PAT 08-MAY-2003
LOCUS
DEFINITION      Sequence 943 from Patent WO03025177.
ACCESSION      AX735353
VERSION      AX735353.1 GI:30514630
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE      1
AUTHORS      Telerman, A., Amson, R. and Tuijnder, M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL      Patent: WO 03025177-A 943 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source      1..17
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      2 a      5 c      3 g      7 t

Query Match      1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 322 GCAGAGAAGCTG 333
| | | | | | | | | |
Db 15 GCAGAGAAGCTG 4

RESULT 1527
AX735870      17 bp      DNA      linear      PAT 08-MAY-2003
LOCUS
DEFINITION      Sequence 1460 from Patent WO03025177.
ACCESSION      AX735870
VERSION      AX735870.1 GI:30515147
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE      1
AUTHORS      Telerman, A., Amson, R. and Tuijnder, M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL      Patent: WO 03025177-A 1460 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source      1..17
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      12 a      2 c      1 g      2 t

Query Match      1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1083 TAAAAAATAAAA 1094
| | | | | | | | | |
Db 6 TAAAAAATAAAA 17

RESULT 1528
AX736634/c      17 bp      DNA      linear      PAT 08-MAY-2003
LOCUS
DEFINITION      Sequence 2224 from Patent WO03025177.
ACCESSION      AX736634
VERSION      AX736634.1 GI:30515922
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE      1
AUTHORS      Telerman, A., Amson, R. and Tuijnder, M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL      Patent: WO 03025177-A 2224 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source      1..17
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      4 a      5 c      5 g      3 t

Query Match      1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 855 CCCACTGGTGAT 866
| | | | | | | | | |
Db 13 CCCACTGGTGAT 2

RESULT 1529
AX738792      17 bp      DNA      linear      PAT 08-MAY-2003
LOCUS
DEFINITION      Sequence 4382 from Patent WO03025177.
ACCESSION      AX738792
VERSION      AX738792.1 GI:30518082
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE      1
AUTHORS      Telerman, A., Amson, R. and Tuijnder, M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL      Patent: WO 03025177-A 4382 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source      1..17
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      5 a      7 c      2 g      3 t

Query Match      1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 84 TGTGGTTAGGAC 95
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Db      17 TGTGGTTAGGAC 6
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RESULT 1530
AX739164
LOCUS      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 4754 from Patent WO03025177.
ACCESSION AX739164
VERSION    AX739164.1 GI:30518461
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens

REFERENCE
AUTHORS    Telerman,A., Anson,R. and Tuijnder,M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and the use
            thereof as medicaments
JOURNAL     Patent: WO 03025177-A 4754 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   source
            1..17
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"
BASE COUNT 4 a 5 c 5 g 3 t
Query Match 1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 664 TGCAGCTGAAGC 675
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Db      5 TGCAGCTGAAGC 16

RESULT 1531
AX739188
LOCUS      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 4778 from Patent WO03025177.
ACCESSION AX739188
VERSION    AX739188.1 GI:30518485
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens

REFERENCE
AUTHORS    Telerman,A., Anson,R. and Tuijnder,M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and the use
            thereof as medicaments
JOURNAL     Patent: WO 03025177-A 4778 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   source
            1..17
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"
BASE COUNT 6 a 6 c 3 g 2 t
Query Match 1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 169 ATCCCGCTGACA 180
|||||
Db      2 ATCCCGCTGACA 13

RESULT 1532
BD087511/c
LOCUS      17 bp      DNA      linear      PAT 27-AUG-2002
DEFINITION Self-assembling microelectronic integration system capable of
            designation self address, compartment device, mechanism, method and
            operation for molecular biological analysis and diagnosis.
ACCESSION BD087511
VERSION    BD087511.1 GI:22633121
KEYWORDS   JP 2001525193-A/22.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens

REFERENCE
AUTHORS    Sosnowski,R.G., Butler,W.F., Tu,E., Nerenberg,M.I., Heller,M.J. and
            Edman,C.F.
TITLE       Self-assembling microelectronic integration system capable of
            designation self address, compartment device, mechanism, method and
            operation for molecular biological analysis and diagnosis
JOURNAL     Patent: JP 2001525193-A 22 11-DEC-2001;
            NANOGEN INC
COMMENT     OS Homo sapiens (human)
            PN JP 2001525193-A/22
            PD 11-DEC-2001
            PF 01-DEC-1998 JP 2000524303
            PR 05-DEC-1997 US 08/96065
            PI RONALD G SOSNOWSKI,WILLIAM F BUTLER,EUGENE TU,MICHAEL I PI
            NERENBERG,
            PT MICHAEL J HELLER,CARL F EDMAN
            PC C12Q1/68,C12N15/09,C12N15/00
            CC Self-assembling microelectronic integration system capable of
            designating
            CC self address, compartment device, mechanism, method and CC
            operation for
            CC molecular biological analysis and diagnosis
            CC Key Location/Qualifiers
            FT source 1..17
            /organism="Homo sapiens (human)"
            /db_xref="taxon:9606"
BASE COUNT 1 a 7 c 2 g 7 t
Query Match 1.1%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 771 CTGAGAGAGAG 782
|||||
Db      17 CTGAGAGAGAG 6

RESULT 1533
I26358/c
LOCUS      17 bp      DNA      linear      PAT 07-OCT-1996
DEFINITION Sequence 50 from patent US 5558988.
ACCESSION I26358
VERSION    I26358.1 GI:1606228
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unclassified.
            1 (bases 1 to 17)
REFERENCE Prockop,D.J., Ala-Kokko,L. and Ritvaniemi,P.
AUTHORS    Primers and methods for detecting mutations in the procollagen II
TITLE       gene that indicate a genetic predisposition for osteoarthritis
JOURNAL     Patent: US 5558988-A 50 24-SEP-1996;
            Location/Qualifiers
FEATURES   source
            1..17
            /organism="unknown"
BASE COUNT 1 a 8 c 1 g 7 t

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Query Match 1.1%; Score 12; DB 1; Length 17;  
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 308 GCATGGGAAGA 319  
 Db 13 GCATGGGAAGA 2

RESULT 1534  
 I36186/c 17 bp DNA PAT 13-MAY-1997  
 LOCUS Sequence 22 from patent US 5605662.  
 DEFINITION I36186  
 ACCESSION I36186.1 GI:2086699  
 VERSION I36186.1  
 KEYWORDS Unknown.  
 SOURCE Unknown.  
 ORGANISM Unclassified.  
 REFERENCE 1 (bases 1 to 17)  
 AUTHORS Heller, M.J. and Tu, E.  
 TITLE Active programmable electronic devices for molecular biological  
 analysis and diagnostics  
 JOURNAL Patent: US 5605662-A 22 25-FEB-1997;  
 FEATURES Location/Qualifiers  
 source 1..17  
 /organism="unknown"  
 BASE COUNT 1 a 7 c 2 g 7 t

Query Match 1.1%; Score 12; DB 1; Length 17;  
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 771 CTGGAGAGAAG 782  
 Db 17 CTGGAGAGAAG 6

RESULT 1535  
 I51717/c 17 bp DNA PAT 07-OCT-1997  
 LOCUS Sequence 38 from patent US 5645985.  
 DEFINITION I51717  
 ACCESSION I51717.1 GI:2472918  
 VERSION I51717.1  
 KEYWORDS Unknown.  
 SOURCE Unknown.  
 ORGANISM Unclassified.  
 REFERENCE 1 (bases 1 to 17)  
 AUTHORS Froehner, B., Wagner, R., Matteucci, M., Jones, R.J., Gutierrez, A.J.  
 and Pudlo, J.  
 TITLE Enhanced triple-helix and double-helix formation with oligomers  
 containing modified pyrimidines  
 JOURNAL Patent: US 5645985-A 38 08-JUL-1997;  
 FEATURES Location/Qualifiers  
 source 1..17  
 /organism="unknown"  
 BASE COUNT 0 a 0 c 0 g 12 t 5 others

Query Match 1.1%; Score 12; DB 1; Length 17;  
 Best Local Similarity 70.6%; Pred. No. 1.1e+03;  
 Matches 12; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1084 AAAAAAAAAAAAAA 1100  
 Db 17 AAAAAAAAAAAAAA 1

RESULT 1536  
 I53940/c 17 bp DNA PAT 07-OCT-1997  
 LOCUS Sequence 1681 from patent US 5646042.  
 DEFINITION I53940  
 ACCESSION I53940

VERSION I53940.1 GI:2475143  
 KEYWORDS Unknown.  
 SOURCE Unknown.  
 ORGANISM Unclassified.  
 REFERENCE 1 (bases 1 to 17)  
 AUTHORS Stinchcomb, D.T., Draper, K., McSwiggen, J. and Jarvis, T.  
 TITLE C-myb targeted ribozymes  
 JOURNAL Patent: US 5646042-A 1681 08-JUL-1997;  
 FEATURES Location/Qualifiers  
 source 1..17  
 /organism="unknown"  
 BASE COUNT 5 a 6 c 2 g 4 t

Query Match 1.1%; Score 12; DB 1; Length 17;  
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 51 CGGTAAAGGCTT 62  
 Db 13 CGGTAAAGGCTT 2

RESULT 1537  
 I53942/c 17 bp DNA PAT 07-OCT-1997  
 LOCUS Sequence 1683 from patent US 5646042.  
 DEFINITION I53942  
 ACCESSION I53942.1 GI:2475145  
 VERSION I53942.1  
 KEYWORDS Unknown.  
 SOURCE Unknown.  
 ORGANISM Unclassified.  
 REFERENCE 1 (bases 1 to 17)  
 AUTHORS Stinchcomb, D.T., Draper, K., McSwiggen, J. and Jarvis, T.  
 TITLE C-myb targeted ribozymes  
 JOURNAL Patent: US 5646042-A 1683 08-JUL-1997;  
 FEATURES Location/Qualifiers  
 source 1..17  
 /organism="unknown"  
 BASE COUNT 4 a 6 c 2 g 5 t

Query Match 1.1%; Score 12; DB 1; Length 17;  
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 51 CGGTAAAGGCTT 62  
 Db 12 CGGTAAAGGCTT 1

RESULT 1538  
 I54054/c 17 bp DNA PAT 07-OCT-1997  
 LOCUS Sequence 1795 from patent US 5646042.  
 DEFINITION I54054  
 ACCESSION I54054.1 GI:2475257  
 VERSION I54054.1  
 KEYWORDS Unknown.  
 SOURCE Unknown.  
 ORGANISM Unclassified.  
 REFERENCE 1 (bases 1 to 17)  
 AUTHORS Stinchcomb, D.T., Draper, K., McSwiggen, J. and Jarvis, T.  
 TITLE C-myb targeted ribozymes  
 JOURNAL Patent: US 5646042-A 1795 08-JUL-1997;  
 FEATURES Location/Qualifiers  
 source 1..17  
 /organism="unknown"  
 BASE COUNT 5 a 0 c 2 g 10 t

Query Match 1.1%; Score 12; DB 1; Length 17;  
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1082 TTAAAAA 1093  
Db 17 TTAAAAA 6

RESULT 1539  
I54056/C  
LOCUS I54056 17 bp DNA linear PAT 07-OCT-1997  
DEFINITION Sequence 1797 from patent US 5646042.  
ACCESSION I54056  
VERSION I54056.1 GI:2475259  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE Unclassified.  
1 (bases 1 to 17)  
AUTHORS Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.  
TITLE C-myb targeted ribozymes  
JOURNAL Patent: US 5646042-A 1797 08-JUL-1997;  
FEATURES Location/Qualifiers  
source  
1..17  
BASE COUNT 5 a 0 c 2 g 10 t  
Query Match 1..1%; Score 12; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred.No. 1.1e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1082 TTAAAAA 1093  
Db 16 TTAAAAA 5

RESULT 1540  
AR201966/C  
LOCUS AR201966 22 bp DNA linear PAT 20-APR-2002  
DEFINITION Sequence 43 from patent US 6361944.  
ACCESSION AR201966  
VERSION AR201966.1 GI:20256505  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE Unclassified.  
1 (bases 1 to 22)  
AUTHORS Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J. and Elghanian,R.  
TITLE Nanoparticles having oligonucleotides attached thereto and uses therefor  
JOURNAL Patent: US 6361944-A 43 26-MAR-2002;  
FEATURES Location/Qualifiers  
source  
1..22  
BASE COUNT 13 a 4 c 1 g 4 t  
Query Match 1..1%; Score 12; DB 1; Length 22;  
Best Local Similarity 75.0%; Pred.No. 1.2e+03;  
Matches 15; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 936 TTTTGTATGAGTCAACA 955  
Db 20 TTTTGTATGAGTCAACA 1

Search completed: January 8, 2004, 15:31:18  
Job time : 41 secs

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RESULT 792
US-09-930-423-462/c
; Sequence 462, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00.918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 462
; LENGTH: 17
; TYPE: RNA

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; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 263
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-263

Query Match          0.9%;   Score 12.2;   DB 1;   Length 17;
Best Local Similarity 58.8%;   Pred. No. 4.6e+02;
Matches 10;   Conservative 4;   Mismatches 3;   Indels 0;   Gaps 0;

QY      536  AGCTGGGTGCCCTGCTG 552
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Db       1   AGCTGUTGUTCCUGCUG 17

RESULT 790

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; ORGANISM: Homo Sapiens
US-09-930-423-462

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 535 CAGCTGGGTGCCCTGCT 551
Db 17 CAGCGGATGCGCTGCT 1

RESULT 793
US-09-930-423-489
; Sequence 489, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 489
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-489

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 528 GGAGGAGCAGCTGGGTG 544
Db 1 GGAGGGGCGACGUUGUG 17

RESULT 794
US-09-930-423-553/c
; Sequence 553, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 553
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-930-423-553

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 535 CAGCTGGGTGCCCTGCT 551
Db 17 CAGGTGGGTGCCCACT 1

RESULT 795
US-09-930-423-574/c
; Sequence 574, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 574
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-574

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 384 TCCAGAGGTGGCAGCAA 400
Db 17 TTCAGTGTGGCAGCAA 1

RESULT 796
US-09-930-423-631
; Sequence 631, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 631
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-631

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 4.6e+02;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 592 CCCCCCACCAGCCTGAA 608
Db 1 CCCUCAACCAAGUCUGAA 17

RESULT 797
US-09-930-423-632
; Sequence 632, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 632
; LENGTH: 17
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; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-632

Query Match
Best Local Similarity 0.9%; Score 12.2; DB 1; Length 17;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 593 CCCCACACGCTGAAG 609
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Db 1 CCUCACACGUCUGAAG 17

RESULT 798
US-09-930-423-938
; Sequence 938, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00.918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 938
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-938

Query Match
Best Local Similarity 0.9%; Score 12.2; DB 1; Length 17;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 538 CTGGTGCCCTGCTGCC 554
   | : : ||| :|||
Db 1 CUUGUUUCCCGUGGCG 17

RESULT 799
US-09-930-423-981
; Sequence 981, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00.918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 981
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-981

Query Match
Best Local Similarity 0.9%; Score 12.2; DB 1; Length 17;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 688 GGGAGCCCGCGGCCCT 704
   ||||| ||||| :|
Db 1 GGGAGCCCGCGGCCGU 17

RESULT 800
US-09-930-423-1194/c
; Sequence 981, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00.918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1271
; LENGTH: 17
; TYPE: RNA

; Sequence 1194, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00.918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1194
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1194

Query Match
Best Local Similarity 0.9%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 537 GCTGGTGCCCTGCTGG 553
   ||| ||||| |||||
Db 17 GCCGATGCCGTGCTGG 1

RESULT 801
US-09-930-423-1195/c
; Sequence 1195, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00.918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1195
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1195

Query Match
Best Local Similarity 0.9%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 530 AGGAGCAGCTGGGTGCC 546
   ||| ||||| |||||
Db 17 AGGGCAGCGCGATGCC 1

RESULT 802
US-09-930-423-1271/c
; Sequence 1271, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00.918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1271
; LENGTH: 17
; TYPE: RNA
```

```
; ORGANISM: Homo Sapiens
US-09-930-423-1271

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 609 GCCTGACACCTTCAGGG 625
Db 17 GCCAGAAACCATCAGGG 1

RESULT 803
US-09-930-423-1525
; Sequence 1525, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1525
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1525

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 610 CCTGACACCTTCAGGG 626
Db 17 CCAGAAACCATCAGGG 1

RESULT 806
US-09-780-164-684/c
; Sequence 684, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 684
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-684

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1135 AGCTATGCTTTTTC 1151
Db 17 AGCTATGCTTTTTC 1

RESULT 807
US-09-780-164-917
; Sequence 917, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0

; ORGANISM: Homo Sapiens
US-09-930-423-1271

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 609 GCCTGACACCTTCAGGG 625
Db 17 GCCAGAAACCATCAGGG 1

RESULT 803
US-09-930-423-1525
; Sequence 1525, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1525
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1525

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 495 TGTGACAGCTTGTGGG 511
Db 1 UGCGAGCGCCUGGG 17

RESULT 804
US-09-930-423-1572
; Sequence 1572, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1572
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1572

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 4.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 298 TCTGCTGTGGGGCTGC 314
Db 1 UUGCAGUGGUGCTGC 17

RESULT 805
US-09-930-423-1653/c
; Sequence 1653, Application US/09930423
```

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; SEQ ID NO 917
; LENGTH: 17
; TYPE: RNA
; ORGANISM: H
US-09-780-164-9

```

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

```

Qy      1122 AATTGAAAAAGACAGCT 1138
          |||: ||||| |||||:
Db      1 AAUAGAAAAUGACAGCU 17

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RESULT 808
US-09-780-164-1045
; Sequence 1045, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1045
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-1045

```

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 278 AAGAGGAAGCAGCA 294  
|||||  
pb 1 AAGAGGAAGAAGAA 17

```

RESULT 809
US-09-780-164-1091
; Sequence 1091, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggan, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1091
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-1091

```

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 64.7%; Pred. No. 4.6e+02;  
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1066 CCCATCAGGCAGGCTCT 1082

DBb 1 CCCAUGAGGGAAGCUCU 17

RESULT 810  
 US-09-827-395A-260  
 ; Sequence 260, Application US/09827395A  
 ; Publication No. US20030113891A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Lawrence Blatt  
 ; APPLICANT: James McSwiggen  
 ; APPLICANT: Bharat Chowrira  
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor  
 ; FILE REFERENCE: MSHB00-878-C (400/017)  
 ; CURRENT APPLICATION NUMBER: US/09/827,395A  
 ; CURRENT FILING DATE: 2001-04-05  
 ; PRIOR APPLICATION NUMBER: 09/780,533  
 ; PRIOR FILING DATE: 2001-02-09  
 ; PRIOR APPLICATION NUMBER: 60/181,797  
 ; PRIOR FILING DATE: 2000-02-11  
 ; NUMBER OF SEQ ID NOS: 2617  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 260  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-09-827-395A-260

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Caps 0;

QY 614 ACACCTTCAGGGACCAG 630  
|||||::|  
db 1 ACACCTTCAGGGACCAG 17

RESULT 811  
 US-09-827-395A-401  
 ; Sequence 401, Application US/09827395A  
 ; Publication No. US20030113891A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Lawrence Blatt  
 ; APPLICANT: James McSwiggen  
 ; APPLICANT: Bharat Chowhira  
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor  
 ; FILE REFERENCE: MBHB00-878-C (400/017)  
 ; CURRENT APPLICATION NUMBER: US/09/827,395A  
 ; CURRENT FILING DATE: 2001-04-05  
 ; PRIOR APPLICATION NUMBER: 09/780,533  
 ; PRIOR FILING DATE: 2001-02-09  
 ; PRIOR APPLICATION NUMBER: 60/181,797  
 ; PRIOR FILING DATE: 2000-02-11  
 ; NUMBER OF SEQ ID NOS: 2617  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 401  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-09-827-395A-401

```
Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 4.6e+02;
Matches 11: Conservative 3; Mismatches 3; Indels 0; Gaps 0;
```

QY 1055 GCCCTGGCCTTCCCATC 1071  
||||: ||: ||||: |  
pb 1 GCCCTTACCAATCCCATC 17

RESULT 812

```
US-09-827-395A-628/c
; Sequence 628, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor
; FILE REFERENCE: MBH00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 628
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-827-395A-628

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 623 GGGACCGAGCTCCAGGAG 639
DB 17 GGGCCCGAGCTCTGCGAG 1

RESULT 813
US-09-827-395A-770
; Sequence 770, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor
; FILE REFERENCE: MBH00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 770
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-827-395A-770

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 4.6e+02;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 2 GCGAGCGAGTTGAGGTG 18
DB 1 GCGAGCGAGCGGGGGG 17

RESULT 814
US-09-827-395A-848/c
; Sequence 848, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor
; FILE REFERENCE: MBH00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 848
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-827-395A-848

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 566 CACTGCTCCAGCAGGCC 582
DB 17 CCCAGCTCTCCAGGCC 1

RESULT 816
US-09-740-332-483/c
; Sequence 483, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rel
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
```



; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 483  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-483

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 739 CTGCCGCGCTGTGTGTA 755  
Db 17 CGCGCGCGCTGTGTGTA 1

## RESULT 817

US-09-740-332-484/c  
; Sequence 484, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 484  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-484

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 737 GGCTGCCGCGCTGTGTGCT 753  
Db 17 GGCGCGCGCGCTGTGTGT 1

## RESULT 818

US-09-740-332-1918  
; Sequence 1918, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1918  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-1918

; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-1918

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 602 GCCTGAGCCTGACACC 618  
Db 1 GCCUGCAGACUGACGCC 17

## RESULT 819

US-09-740-332-2165  
; Sequence 2165, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2165  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-2165

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 426 CAGGAGCAGCTTCAGAA 442  
Db 1 CAGGAGCAACUUGAGAA 17

## RESULT 820

US-09-740-332-2206/c  
; Sequence 2206, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2206  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-2206

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1304 GCCGCATGTAGCCAGGT 1320  
|||||

```
Db 17 GCCCGATGTCTCCAGGT 1
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2349
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-2349
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1303 GGCCCCCATGTAGCCAGG 1319
|||||:|:|
Db 1 GGCCCCGAUGUCUCCAGG 17

RESULT 824
US-09-740-332-2390/c
; Sequence 2390, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2390
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-2390
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 427 AGGAGCAGCTTCAGAAA 443
|||||:|:|
Db 17 AGGAGCAACTTGAGAAA 1

RESULT 825
US-09-740-332-2650/c
; Sequence 2650, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2650
; LENGTH: 17

Db 17 GCCCGATGTCTCCAGGT 1
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2207
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-2207
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1302 TGGCCCCCATGTAGCCAG 1318
|||||:|:|
Db 17 TGGCCCCGATGTCTCCAG 1

RESULT 822
US-09-740-332-2348
; Sequence 2348, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2348
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-2348
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 4.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1301 CTGCCCCCATGTAGCCA 1317
|||||:|:|
Db 1 CUGGCCCGAUGUCUCCA 17

RESULT 823
US-09-740-332-2349
; Sequence 2349, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
```

; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-2650

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 623 GGGACCGTCTCAGGAG 639  
Db 17 GGGACCGTCTCAGGAG 1

RESULT 826  
US-09-740-332-3415  
; Sequence 3415, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3415  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-3415

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 545 CCCTGCTGGCAGGCATG 561  
Db 1 CCCCGUGCGCGGAUG 17

RESULT 827  
US-09-740-332-3470/c  
; Sequence 3470, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3470  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-3470

Query Match 0.9%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 144 GCTCGGCTCGCTCCGC 160  
Db 17 GCTCGCCACCGCTACGC 1

RESULT 828  
US-09-740-332-4072  
; Sequence 4072, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4072  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-4072

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 58.8%; Pred. No. 4.6e+02;  
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 738 GCTCGCGCATGTTGCTG 754  
Db 1 GCGGCGCGGUGUGUG 17

RESULT 829  
US-09-740-332-4139/c  
; Sequence 4139, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4139  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-4139

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 692 GCCAGCGGCCCTCCTT 708  
Db 17 GCCAGCTCGCGTCCAT 1

RESULT 830

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US-09-740-332-4230/c
; Sequence 4230, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740.332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4230
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-4230

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 639 GCTCTGCATGCCCAAG 655
DB 17 GCTCGGATCCACAAG 1

RESULT 831
US-09-740-332-4311
; Sequence 4311, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740.332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4311
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-4311

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 466 AGCCTGCAGGGGAGGA 482
DB 1 ACCCAGCAGGGGAGGA 17

RESULT 832
US-10-297-068-1048/c
; Sequence 1048, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: MORIYA, Shogo
```

```
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 13140P1174
; CURRENT APPLICATION NUMBER: US/10/297.068
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1048
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: capture
US-10-297-068-1048

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 191 CCGCCCAACCGGAGGCC 207
DB 17 CCGCCCAACGGCGGCC 1

RESULT 833
US-10-307-005-763
; Sequence 763, Application US/10307005
; Publication No. US20030236208A1
; GENERAL INFORMATION:
; APPLICANT: University of Delaware
; APPLICANT: Eric B. Kmiec
; APPLICANT: Howard B. Gamper
; APPLICANT: Michael C. Rice
; APPLICANT: Jungsup Kim
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
; FILE REFERENCE: Napro/009 PCT
; CURRENT APPLICATION NUMBER: US/10/307.005
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: PCT/US01/17672
; PRIOR FILING DATE: 2001-06-01
; PRIOR FILING DATE: 2000-06-01
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 2717
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 763
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Zea mays
US-10-307-005-763

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 878 CCAAGTTCAGGAGCTG 894
DB 1 CCAAGGTCTAGGAGCAG 17

RESULT 834
US-10-307-005-764/c
; Sequence 764, Application US/10307005
; Publication No. US20030236208A1
; GENERAL INFORMATION:
; APPLICANT: University of Delaware
; APPLICANT: Eric B. Kmiec
```

; APPLICANT: Howard B. Gamper  
 ; APPLICANT: Michael C. Rice  
 ; APPLICANT: Jungsup Kim  
 ; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants  
 ; FILE REFERENCE: Napro/009 PCT  
 ; CURRENT APPLICATION NUMBER: US/10/307,005  
 ; PRIOR FILING DATE: 2002-11-26  
 ; PRIOR APPLICATION NUMBER: PCT/US01/17672  
 ; PRIOR FILING DATE: 2001-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/208,538  
 ; PRIOR FILING DATE: 2000-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/244,989  
 ; PRIOR FILING DATE: 2000-10-30  
 ; PRIOR APPLICATION NUMBER: US 09/818,875  
 ; PRIOR FILING DATE: 2001-03-27  
 ; NUMBER OF SEQ ID NOS: 2717  
 ; SOFTWARE: Friedman macro Napro4  
 ; SEQ ID NO 764  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Zea mays  
 ; US-10-307-005-764

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 878 CCAAGTTCAGGAGCTG 894  
 Db 17 CCAAGTCTAGGAGCAG 1

RESULT 835  
 US-10-307-005-1211  
 ; Sequence 1211, Application US/10307005  
 ; Publication No. US20030236208A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: University of Delaware  
 ; APPLICANT: Eric B. Kmiec  
 ; APPLICANT: Howard B. Gamper  
 ; APPLICANT: Michael C. Rice  
 ; APPLICANT: Jungsup Kim  
 ; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants  
 ; FILE REFERENCE: Napro/009 PCT  
 ; CURRENT APPLICATION NUMBER: US/10/307,005  
 ; PRIOR FILING DATE: 2002-11-26  
 ; PRIOR APPLICATION NUMBER: PCT/US01/17672  
 ; PRIOR FILING DATE: 2001-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/208,538  
 ; PRIOR FILING DATE: 2000-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/244,989  
 ; PRIOR FILING DATE: 2000-10-30  
 ; PRIOR APPLICATION NUMBER: US 09/818,875  
 ; PRIOR FILING DATE: 2001-03-27  
 ; NUMBER OF SEQ ID NOS: 2717  
 ; SOFTWARE: Friedman macro Napro4  
 ; SEQ ID NO 1211  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Lycopersicon esculentum  
 ; US-10-307-005-1211

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1087 TGAGTGTTCGACGTAA 1103  
 Db 1 TGAGTTTTCGACCTCA 17

RESULT 836  
 US-10-307-005-1212/c  
 ; Sequence 1212, Application US/10307005  
 ; Publication No. US20030236208A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: University of Delaware  
 ; APPLICANT: Eric B. Kmiec  
 ; APPLICANT: Howard B. Gamper  
 ; APPLICANT: Michael C. Rice  
 ; APPLICANT: Jungsup Kim  
 ; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants  
 ; FILE REFERENCE: Napro/009 PCT  
 ; CURRENT APPLICATION NUMBER: US/10/307,005  
 ; PRIOR FILING DATE: 2002-11-26  
 ; PRIOR APPLICATION NUMBER: PCT/US01/17672  
 ; PRIOR FILING DATE: 2001-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/208,538  
 ; PRIOR FILING DATE: 2000-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/244,989  
 ; PRIOR FILING DATE: 2000-10-30  
 ; PRIOR APPLICATION NUMBER: US 09/818,875  
 ; PRIOR FILING DATE: 2001-03-27  
 ; NUMBER OF SEQ ID NOS: 2717  
 ; SOFTWARE: Friedman macro Napro4  
 ; SEQ ID NO 1212  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Lycopersicon esculentum  
 ; US-10-307-005-1212

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1087 TGAGTGTTCGACGTAA 1103  
 Db 17 TGAGTTTTCGACCTCA 1

RESULT 837  
 US-10-307-005-1527  
 ; Sequence 1527, Application US/10307005  
 ; Publication No. US20030236208A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: University of Delaware  
 ; APPLICANT: Eric B. Kmiec  
 ; APPLICANT: Howard B. Gamper  
 ; APPLICANT: Michael C. Rice  
 ; APPLICANT: Jungsup Kim  
 ; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants  
 ; FILE REFERENCE: Napro/009 PCT  
 ; CURRENT APPLICATION NUMBER: US/10/307,005  
 ; PRIOR FILING DATE: 2002-11-26  
 ; PRIOR APPLICATION NUMBER: PCT/US01/17672  
 ; PRIOR FILING DATE: 2001-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/208,538  
 ; PRIOR FILING DATE: 2000-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/244,989  
 ; PRIOR FILING DATE: 2000-10-30  
 ; PRIOR APPLICATION NUMBER: US 09/818,875  
 ; PRIOR FILING DATE: 2001-03-27  
 ; NUMBER OF SEQ ID NOS: 2717  
 ; SOFTWARE: Friedman macro Napro4  
 ; SEQ ID NO 1527  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Arabidopsis thaliana  
 ; US-10-307-005-1527

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;

```
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1157 GGAAGTAAAGCAGCTAA 1173
Db 1 GGAGGCAAGAGCTAA 17

RESULT 838
US-10-307-005-1528/c
; Sequence 1528, Application US/10307005
; Publication No. US20030236208A1
; GENERAL INFORMATION:
; APPLICANT: University of Delaware
; APPLICANT: Eric B. Kniec
; APPLICANT: Howard B. Gamber
; APPLICANT: Michael C. Rice
; APPLICANT: Jungsup Kim
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
; TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides
; FILE REFERENCE: Napro/009 PCT
; CURRENT APPLICATION NUMBER: US/10/307,005
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: PCT/US01/17672
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 2717
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1528
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-307-005-1528

Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1157 GGAAGTAAAGCAGCTAA 1173
Db 17 GGAGGCAAGAGCTAA 1

RESULT 839
US-09-745-237A-263
; Sequence 263, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 263
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-263

Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 536 AGCTGGTGCCCTGCTG 552
Db 17 AGCTGGTGCCCTGCTG 17

RESULT 840
US-09-745-237A-264
; Sequence 264, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 264
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-264

Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 4.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 537 GCTGGTGCCCTGCTG 553
Db 1 GCUUGUUUCCCGCUGG 17

RESULT 841
US-09-745-237A-289/c
; Sequence 289, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 289
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-289

Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 257 ACCTCCTGGCGGCTG 273
Db 17 AGCTCCCGCGGCGCTG 1

RESULT 842
US-09-745-237A-462/c
; Sequence 462, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
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; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 632
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-632

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 4.6e+02;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 593 CCCACCACCGCTGGAAG 609
    |||||:|||||
Db 1 CCUACACGACGUCGGAAG 17

RESULT 848
US-09-745-237A-938
; Sequence 938, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 938
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-938

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 4.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 538 CTGGTGCTCCCTGCTGGC 554
    |:|:|:|:|:|:|
Db 1 CUUGUUCUCCGUGGC 17

RESULT 849
US-09-745-237A-981
; Sequence 981, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 981
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-981

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 4.6e+02;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 688 GGGAGCCGCGGCCCT 704
    |||||:|||||
Db 1 GGGAGCCGCGGCCGCU 17

; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1194/c
; Sequence 1194, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1194
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-1194

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 537 GCTGGTGCTCCCTGCTGG 553
    |||||:|||||
Db 17 GCCGATGCCGCTGCTGG 1

RESULT 851
US-09-745-237A-1195/c
; Sequence 1195, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1195
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-1195

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 530 AGGAGCAGCTGGTGCC 546
    |||||:|||||
Db 17 AGGAGCAGCTGGTGCC 1

RESULT 852
US-09-745-237A-1271/c
; Sequence 1271, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
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; SEQ ID NO 1271  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1271

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 609 GCTGACACCTTCAGGG 625  
Db 17 GCCAGAACCATCAGGG 1

RESULT 853  
US-09-745-237A-1525  
; Sequence 1525, Application US/09745237A  
; Publication No. US20030143708A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: 400/007 (MBH00-918-A)  
; CURRENT APPLICATION NUMBER: US/09/745,237A  
; CURRENT FILING DATE: 2002-04-15  
; NUMBER OF SEQ ID NOS: 4550  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1525  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1525

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;  
QY 495 TGTGACGGCTTGGGG 511  
Db 1 UGCGACGGCGCGGGG 17

RESULT 854  
US-09-745-237A-1572  
; Sequence 1572, Application US/09745237A  
; Publication No. US20030143708A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: 400/007 (MBH00-918-A)  
; CURRENT APPLICATION NUMBER: US/09/745,237A  
; CURRENT FILING DATE: 2002-04-15  
; NUMBER OF SEQ ID NOS: 4550  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1572  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1572

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 58.8%; Pred. No. 4.6e+02;  
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;  
QY 298 TCTGCTGTGGGGCTGC 314  
Db 1 UUUGCAGUGGGGCGUC 17

RESULT 855  
US-09-745-237A-1653/c  
; Sequence 1653, Application US/09745237A  
; Publication No. US20030143708A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: 400/007 (MBH00-918-A)  
; CURRENT APPLICATION NUMBER: US/09/745,237A  
; CURRENT FILING DATE: 2002-04-15  
; NUMBER OF SEQ ID NOS: 4550  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1653  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1653

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 610 CCTGACACCTTCAGGA 626  
Db 17 CCAGAAACCATCAGGA 1

RESULT 856  
US-09-792-818-287/c  
; Sequence 287, Application US/09792818  
; Publication No. US20030134806A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Jarvis, Thale  
; APPLICANT: Von Carlowitz, Ira  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Hamblin, Paul  
; APPLICANT: Ellis, Jonathan  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Ins  
; FILE REFERENCE: MBH00-901-A (400/013)  
; CURRENT APPLICATION NUMBER: US/09/792,818  
; CURRENT FILING DATE: 2001-02-23  
; NUMBER OF SEQ ID NOS: 2304  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 287  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-792-818-287

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 600 CAGCCTGAAGCCTGACA 616  
Db 17 CATCCTCATGCTGACA 1

RESULT 857  
US-09-792-818-470  
; Sequence 470, Application US/09792818  
; Publication No. US20030134806A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Jarvis, Thale  
; APPLICANT: Von Carlowitz, Ira  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Hamblin, Paul  
; APPLICANT: Ellis, Jonathan

```
/ TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insep
/ TITLE OF INVENTION: (GRID) Gene
/ FILE REFERENCE: MBH00-901-A (400/013)
/ CURRENT APPLICATION NUMBER: US/09/792,818
/ CURRENT FILING DATE: 2001-02-23
/ NUMBER OF SEQ ID NOS: 2304
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 470
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-09-792-818-470

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 391 GTGGCAGCAATGGCCCG 407
Db 1 GUGGCACCAUGACCG 17
|||||
|:|||||:|:|||||

RESULT 858
US-10-238-700-2680/c
/ Sequence 2680, Application US/10238700
/ Publication No. US20030153521A1
/ GENERAL INFORMATION:
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
/ FILE REFERENCE: 400/057 (MBH01-1158-A)
/ CURRENT APPLICATION NUMBER: US/10/238,700
/ CURRENT FILING DATE: 2002-09-18
/ PRIOR APPLICATION NUMBER: PCT/US 02/16840
/ PRIOR FILING DATE: 2002-05-29
/ PRIOR APPLICATION NUMBER: US 60/318,471
/ PRIOR FILING DATE: 2001-09-10
/ NUMBER OF SEQ ID NOS: 4666
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 2680
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-238-700-2680

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 208 GAGCAAGCCAGGAGC 224
Db 17 GAGGAGGCCAGGAGC 1
|||||
|:|||||:|:|||||

RESULT 859
US-10-238-700-3254
/ Sequence 3254, Application US/10238700
/ Publication No. US20030153521A1
/ GENERAL INFORMATION:
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
/ FILE REFERENCE: 400/057 (MBH01-1158-A)
/ CURRENT APPLICATION NUMBER: US/10/238,700
/ CURRENT FILING DATE: 2002-09-18
/ PRIOR APPLICATION NUMBER: PCT/US 02/16840
/ PRIOR FILING DATE: 2002-05-29
/ PRIOR APPLICATION NUMBER: US 60/318,471
/ PRIOR FILING DATE: 2001-09-10
/ NUMBER OF SEQ ID NOS: 4666
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 3254
/ LENGTH: 17
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/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-238-700-3254

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 4.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1054 AGCCCTGGCCTTCCCAT 1070
Db 1 AGCCUGGCGCUCUCCAU 17
|||||
|:|||||:|:|||||

RESULT 860
US-10-238-700-3305
/ Sequence 3305, Application US/10238700
/ Publication No. US20030153521A1
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Lev
/ FILE REFERENCE: 400/057 (MBH01-1158-A)
/ CURRENT APPLICATION NUMBER: US/10/238,700
/ CURRENT FILING DATE: 2002-09-18
/ PRIOR APPLICATION NUMBER: PCT/US 02/16840
/ PRIOR FILING DATE: 2002-05-29
/ PRIOR APPLICATION NUMBER: US 60/318,471
/ PRIOR FILING DATE: 2001-09-10
/ NUMBER OF SEQ ID NOS: 4666
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 3305
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-238-700-3305

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 4.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 795 CCTGGCTGCTCCCTGC 811
Db 1 CCUGACUGCUCUCCAGC 17
|||||
|:|||||:|:|||||

RESULT 861
US-10-238-700-3349/c
/ Sequence 3349, Application US/10238700
/ Publication No. US20030153521A1
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Lev
/ FILE REFERENCE: 400/057 (MBH01-1158-A)
/ CURRENT APPLICATION NUMBER: US/10/238,700
/ CURRENT FILING DATE: 2002-09-18
/ PRIOR APPLICATION NUMBER: PCT/US 02/16840
/ PRIOR FILING DATE: 2002-05-29
/ PRIOR APPLICATION NUMBER: US 60/318,471
/ PRIOR FILING DATE: 2001-09-10
/ NUMBER OF SEQ ID NOS: 4666
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 3349
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-238-700-3349

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 393 GCGAGCAATGGCCCGC 409
```

Db 17 GGCAGGATGCCAGGC 1  
||||| ||||| |||

## RESULT 862

US-10-238-700-3431/c  
; Sequence 3431, Application US/10238700  
; Publication No. US20030153521A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level  
; FILE REFERENCE: 400/057 (MBH01-1158-A)  
; CURRENT APPLICATION NUMBER: US/10/238,700  
; CURRENT FILING DATE: 2002-09-18  
; PRIOR APPLICATION NUMBER: PCT/US 02/16840  
; PRIOR FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: US 60/318,471  
; PRIOR FILING DATE: 2001-09-10  
; NUMBER OF SEQ ID NOS: 4666  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3431  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-238-700-3431

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 535 CAGCTGGTGCCCTGCT 551  
||||| ||||| |||  
Db 17 CAGCGGCATGCCCTGCT 1

## RESULT 863

US-10-238-700-3513/c  
; Sequence 3513, Application US/10238700  
; Publication No. US20030153521A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level  
; FILE REFERENCE: 400/057 (MBH01-1158-A)  
; CURRENT APPLICATION NUMBER: US/10/238,700  
; CURRENT FILING DATE: 2002-09-18  
; PRIOR APPLICATION NUMBER: PCT/US 02/16840  
; PRIOR FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: US 60/318,471  
; PRIOR FILING DATE: 2001-09-10  
; NUMBER OF SEQ ID NOS: 4666  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3513  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-238-700-3513

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 900 CAGCGTGCCCTGCTGCC 916  
||||| ||||| |||  
Db 17 CAGCGGGCCCTGATAC 1

## RESULT 864

US-10-238-700-3585/c  
; Sequence 3585, Application US/10238700  
; Publication No. US20030153521A1  
; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Lev  
; FILE REFERENCE: 400/057 (MBH01-1158-A)  
; CURRENT APPLICATION NUMBER: US/10/238,700  
; CURRENT FILING DATE: 2002-09-18  
; PRIOR APPLICATION NUMBER: PCT/US 02/16840  
; PRIOR FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: US 60/318,471  
; PRIOR FILING DATE: 2001-09-10  
; NUMBER OF SEQ ID NOS: 4666  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3585  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-238-700-3585

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 508 GCGGTCAGCGCCAACT 524  
||||| ||||| |||  
Db 17 GCGGTCAGCTCCACAT 1

## RESULT 865

US-10-061-201-222/c  
; Sequence 222, Application US/10061201  
; Publication No. US2003016229A1  
; GENERAL INFORMATION:  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1  
; FILE REFERENCE: PB0178  
; CURRENT APPLICATION NUMBER: US/10/061,201  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/328,205  
; PRIOR FILING DATE: 2001-10-10  
; NUMBER OF SEQ ID NOS: 4162  
; SOFTWARE: Aescima Sequence Listing Engine  
; SEQ ID NO 222  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-061-201-222

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 522 CCTGCCGAGGAGCAGC 538  
||||| ||||| |||  
Db 17 CCACCTGGAGGAGCAGC 1

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RESULT 866
US-10-061-201-498/c
; Sequence 498, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 498
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-498

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 627 CCAGCTCCAGGAGCTCT 643
Db 17 CCCTCTCCCGAGCTCT 1

RESULT 867
US-10-061-201-1246
; Sequence 1246, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 498
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-498

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 627 CCAGCTCCAGGAGCTCT 643
Db 17 CCCTCTCCCGAGCTCT 1

RESULT 868
US-10-061-201-1249
; Sequence 1249, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1249
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1249

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 571 CTCGACGAGGCGCTCCG 587
Db 1 CTCGACGAGGCGCTCCG 17

RESULT 869
US-10-061-201-1250
; Sequence 1250, Application US/10061201
; Publication No. US20030166229A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1250
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-1250
```

```
Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 572 TCCAGCAGGCGCTCCGT 588
Db 1 TCCAGCACACCTCTGT 17
```

```
RESULT 870
US-10-061-201-1306/c
; Sequence 1306, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
```

```
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1306
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-1306
```

```
Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 979 TGACCAGTCCCATTCAG 995
Db 17 TGACCTGTCCACACAG 1
```

```
RESULT 871
US-10-061-201-1376
; Sequence 1376, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1376
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-1376
```

```
Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 796 CTGGCTCGCTCCCTGCA 812
Db 1 CTGCTGGCTCCACAG 17
```

```
RESULT 872
US-10-061-201-1700
; Sequence 1700, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
```

```
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 1700
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-1700

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 988 CCATTCAGATCCGGCTT 1004
Db 1 CCCTTCAAAATCCGCTTT 17

RESULT 873
US-10-061-201-1768/c
; Sequence 1768, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN PDSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 1768
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-1768

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 988 CCATTCAGATCCGGCTT 1004
Db 1 CCCTTCAAAATCCGCTTT 17

RESULT 875
US-10-133-779-220
; Sequence 220, Application US/10133779
; Publication No. US20030165884A1
; GENERAL INFORMATION:
; APPLICANT: Chow, Robert
; APPLICANT: Tonal, Richard
; TITLE OF INVENTION: High Throughput Methods of HLA Typing
; FILE REFERENCE: 020035-000210US
; CURRENT APPLICATION NUMBER: US/10/133,779
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US/09/747,391
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/172,768
; PRIOR FILING DATE: 1999-12-20
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 79
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-133-779-79

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 877 GCCAAGTTCAGAGCT 893
Db 1 GCCGCGTTCAGAGCT 17

RESULT 875
US-10-133-779-220
; Sequence 220, Application US/10133779
; Publication No. US20030165884A1
; GENERAL INFORMATION:
; APPLICANT: Chow, Robert
; APPLICANT: Tonal, Richard
; TITLE OF INVENTION: High Throughput Methods of HLA Typing
; FILE REFERENCE: 020035-000210US
; CURRENT APPLICATION NUMBER: US/10/133,779
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US/09/747,391
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/172,768
; PRIOR FILING DATE: 1999-12-20
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 220
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-133-779-220

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

QY 295 ATGCTGCTGCTGGGGGC 311  
DB 1 ATGCTGCAGTAGGTGC 17

## RESULT 876

US-10-339-782-187/c  
; Sequence 187, Application US/10339782  
; Publication No. US20030166026A1  
; GENERAL INFORMATION:  
; APPLICANT: Lynx Therapeutics, Inc.  
; APPLICANT: Goodman, Laurie J  
; APPLICANT: Bowen, Benjamin A  
; TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells  
; FILE REFERENCE: 37-000110US  
; CURRENT APPLICATION NUMBER: US/10/339,782  
; CURRENT FILING DATE: 2003-01-08  
; NUMBER OF SEQ ID NOS: 495  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 187  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-339-782-187

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1317 AGGTGCTTTTGTAGATC 1333  
DB 17 AGTTACTTTTGTAGATC 1

## RESULT 877

US-10-339-782-245/c  
; Sequence 245, Application US/10339782  
; Publication No. US20030166026A1  
; GENERAL INFORMATION:  
; APPLICANT: Lynx Therapeutics, Inc.  
; APPLICANT: Goodman, Laurie J  
; APPLICANT: Bowen, Benjamin A  
; TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells  
; FILE REFERENCE: 37-000110US  
; CURRENT APPLICATION NUMBER: US/10/339,782  
; CURRENT FILING DATE: 2003-01-08  
; NUMBER OF SEQ ID NOS: 495  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 245  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-339-782-245

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 918 AAAGGAGATGGCAGATC 934  
DB 17 AAAGGAGAGAGAGATC 1

## RESULT 878

US-09-817-879-483/c  
; Sequence 483, Application US/09817879  
; Publication No. US20030171311A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: MBHB00-801-F  
; CURRENT APPLICATION NUMBER: US/09/817,879

; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9703  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 483  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-483

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 739 CTGCGCGCATGTTGCTGA 755  
DB 17 CGGCGCGGTGTTGTTGA 1

## RESULT 879

US-09-817-879-484/c  
; Sequence 484, Application US/09817879  
; Publication No. US20030171311A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: MBHB00-801-F  
; CURRENT APPLICATION NUMBER: US/09/817,879  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9703  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 484  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-484

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 737 GGCTGCGCGCATGTTGCT 753  
DB 17 GCGCGCGCGGTGTTGTT 1

## RESULT 880

US-09-817-879-1918  
; Sequence 1918, Application US/09817879  
; Publication No. US20030171311A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: MBHB00-801-F  
; CURRENT APPLICATION NUMBER: US/09/817,879  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9703  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1918  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature

LOCATION  
OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-1918

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 602 GCCTGAAGCGTCGACACC 618  
DB 1 GCCUGCAGACUGACGCC 17

## RESULT 881

US-09-817-879-2165  
Sequence 2165, Application US/09817879  
Publication No. US20030171311A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals Inc.  
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
FILE REFERENCE: MBH00-801-F  
CURRENT APPLICATION NUMBER: US/09/817,879  
CURRENT FILING DATE: 2001-03-26  
NUMBER OF SEQ ID NOS: 9703  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 2165  
LENGTH: 17  
TYPE: RNA  
ORGANISM: artificial sequence  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION:  
OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-2165

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 426 CAGGAGCAGCTTCAGAA 442  
DB 1 CAGGAGCAACUGAGAA 17

## RESULT 882

US-09-817-879-2206/c  
Sequence 2206, Application US/09817879  
Publication No. US20030171311A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals Inc.  
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
FILE REFERENCE: MBH00-801-F  
CURRENT APPLICATION NUMBER: US/09/817,879  
CURRENT FILING DATE: 2001-03-26  
NUMBER OF SEQ ID NOS: 9703  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 2206  
LENGTH: 17  
TYPE: RNA  
ORGANISM: artificial sequence  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION:  
OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-2206

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1304 GCCCATGTAGCCAGGT 1320

DB 17 GCCGATGTCTCCAGGT 1

## RESULT 883

US-09-817-879-2207/c  
Sequence 2207, Application US/09817879  
Publication No. US20030171311A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals Inc.  
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
FILE REFERENCE: MBH00-801-F  
CURRENT APPLICATION NUMBER: US/09/817,879  
CURRENT FILING DATE: 2001-03-26  
NUMBER OF SEQ ID NOS: 9703  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 2207  
LENGTH: 17  
TYPE: RNA  
ORGANISM: artificial sequence  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION:  
OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-2207

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1302 TGGCCCCCATGTAGCCAG 1318  
DB 17 TGGCCCCCATGTCTCCAG 1

## RESULT 884

US-09-817-879-2348  
Sequence 2348, Application US/09817879  
Publication No. US20030171311A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals Inc.  
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
FILE REFERENCE: MBH00-801-F  
CURRENT APPLICATION NUMBER: US/09/817,879  
CURRENT FILING DATE: 2001-03-26  
NUMBER OF SEQ ID NOS: 9703  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 2348  
LENGTH: 17  
TYPE: RNA  
ORGANISM: artificial sequence  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION:  
OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-2348

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 64.7%; Pred. No. 4.6e+02;  
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1301 CTGGCCCCCATGTAGCCA 1317  
DB 1 CUGGCCCGAUGUCUCCA 17

## RESULT 885

US-09-817-879-2349  
Sequence 2349, Application US/09817879  
Publication No. US20030171311A1  
GENERAL INFORMATION:



```
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2349
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
;
US-09-817-879-2349

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1303 GCGCCCATGTAGCCAGG 1319
      ||||| | | | | |
Db 1 GCGCCGAUGUCCAGG 17

RESULT 886
US-09-817-879-2390/c
; Sequence 2390, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2390
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
;
US-09-817-879-2390

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 427 AGGACACGTTCCAGAA 443
      ||||| | | | | |
Db 17 AGGACCAACTTCAGAAA 1

RESULT 887
US-09-817-879-2650/c
; Sequence 2650, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2650
```

```
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
;
US-09-817-879-2650

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 623 GGGACCCAGCTCCAGGAG 639
      ||||| | | | | |
Db 17 GGGACGTGCTCAGGAG 1

RESULT 888
US-09-817-879-3415
; Sequence 3415, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3415
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
;
US-09-817-879-3415

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 545 CCTGCTCGCAGGCGATG 561
      ||| | | | | | | |
Db 1 CCCCUGCUGCGCGUAUG 17

RESULT 889
US-09-817-879-3470/c
; Sequence 3470, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3470
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
;
US-09-817-879-3470
```

```
Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 144 GCTCGGCTCCGTCGCG 160
DB 17 GCTCGCCACGCTACGC 1

RESULT 890
US-09-817-879-4072
; Sequence 4072, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 4072
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4072

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 738 GCTCGCGCATGTTGCTG 754
DB 1 GCGCGCGGUGUGUG 17

RESULT 891
US-09-817-879-4139/c
; Sequence 4139, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 4139
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4139

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 692 GCCAGCGGCCCTCTT 708
DB 17 GCCAGCTCGCGCTCCAT 1

RESULT 892
US-09-817-879-4230/c
; Sequence 4230, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 4230
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4230

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 639 GCTCTGCATCCCCCAAG 655
DB 17 GTCGCGATCCCAAG 1

RESULT 893
US-09-817-879-4311
; Sequence 4311, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 4311
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4311

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 466 AGCTCGACGGGGAGGA 482
DB 1 ACCAGCAGCGGGAGGA 17

RESULT 894
US-10-339-793-263/c
; Sequence 263, Application US/10339793
; Publication No. US20030180764A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Shang, Jin
; APPLICANT: Bowen, Benjamin
; TITLE OF INVENTION: GENES AFFECTED BY CHOLESTEROL TREATMENT AND DURING ADIPOGENESIS.
```

; FILE REFERENCE: 37-000310US  
; CURRENT APPLICATION NUMBER: US/10/339,793  
; CURRENT FILING DATE: 2003-01-08  
; NUMBER OF SEQ ID NOS: 443  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 263  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-339-793-263

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 982 CCAGTCCCATTCAGATC 998  
DB 17 CCAGCCCCCAGCAGATC 1

RESULT 895  
US-10-339-793-268  
; Sequence 268, Application US/10339793  
; Publication No. US20030180764A1  
; GENERAL INFORMATION:  
; APPLICANT: Shang, Jin  
; APPLICANT: Bowen, Benjamin  
; TITLE OF INVENTION: GENES AFFECTED BY CHOLESTEROL TREATMENT AND DURING ADIPOGENESIS  
; FILE REFERENCE: 37-000310US  
; CURRENT APPLICATION NUMBER: US/10/339,793  
; CURRENT FILING DATE: 2003-01-08  
; NUMBER OF SEQ ID NOS: 443  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 268  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-339-793-268

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 273 GATCAAGAGGAAGCAG 289  
DB 1 GATCAAGTGGCTGCAG 17

RESULT 896  
US-10-230-006-550  
; Sequence 550, Application US/10230006  
; Publication No. US20030191077A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Fosnaugh, Kathy  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDIT  
; FILE REFERENCE: 400/056 (MBHB01-1110)  
; CURRENT APPLICATION NUMBER: US/10/230,006  
; CURRENT FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: US 60/315,315  
; PRIOR FILING DATE: 2001-08-28  
; NUMBER OF SEQ ID NOS: 2678  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 550  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-230-006-550

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;

Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;  
QY 566 CACTGCTCCAGCAGGCC 582  
DB 1 CUCUGCUCGCGCAGGCC 17

RESULT 897  
US-10-230-006-676  
; Sequence 676, Application US/10230006  
; Publication No. US20030191077A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Fosnaugh, Kathy  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CON  
; FILE REFERENCE: 400/056 (MBHB01-1110)  
; CURRENT APPLICATION NUMBER: US/10/230,006  
; CURRENT FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: US 60/315,315  
; PRIOR FILING DATE: 2001-08-28  
; NUMBER OF SEQ ID NOS: 2678  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 676  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-230-006-676

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 64.7%; Pred. No. 4.6e+02;  
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 538 CTGGGTGCCCTGCTGGC 554  
DB 1 CUGGCGCACUGUGGCG 17

RESULT 898  
US-10-230-006-1263  
; Sequence 1263, Application US/10230006  
; Publication No. US20030191077A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Fosnaugh, Kathy  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CON  
; FILE REFERENCE: 400/056 (MBHB01-1110)  
; CURRENT APPLICATION NUMBER: US/10/230,006  
; CURRENT FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: US 60/315,315  
; PRIOR FILING DATE: 2001-08-28  
; NUMBER OF SEQ ID NOS: 2678  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1263  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-230-006-1263

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 64.7%; Pred. No. 4.6e+02;  
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 568 CTGCTCCAGCAGGCCCT 584  
DB 1 CUGCTCCGCGCAGCCAU 17

RESULT 899  
US-10-230-006-1357/c  
; Sequence 1357, Application US/10230006  
; Publication No. US20030191077A1

```
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Fosnaugh, Kathy
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC COND
; FILE REFERENCE: 400/056 (MHB01-1110)
; CURRENT APPLICATION NUMBER: US/10/230,006
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 2678
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1357
; TYPE: RNA
; LENGTH: 17
; ORGANISM: Homo sapiens
; US-10-230-006-1357

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 470 TGCAGGGGAGGCTGC 486
||| ||||| |||||
Db 17 TGCCGGGGCAGTACTGC 1

RESULT 900
US-10-209-787-387
; Sequence 387, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 60/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,999
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 387
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-209-787-387

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1249 GCCATGTGAGGCCAGGT 1265
||| ||||| |||||
Db 1 GCCCTGTGGGGCAGGT 17

RESULT 901
US-10-209-787-388/c
; Sequence 388, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 60/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,999
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 387
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-209-787-387

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1249 GCCATGTGAGGCCAGGT 1265
||| ||||| |||||
Db 1 GCCCTGTGGGGCAGGT 17

RESULT 901
US-10-209-787-388/c
; Sequence 388, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
```

```
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 60/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 388
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-209-787-388

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1249 GCCATGTGAGGCCAGGT 1265
||| ||||| |||||
Db 17 GCCCTGTGGGGCAGGT 1

RESULT 902
US-10-209-787-479/c
; Sequence 479, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 60/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 479
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-209-787-479

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 844 GATGGGTGAGCATACCG 860
||| ||||| |||||
Db 17 GATGGGCCAGCACAG 1
```

RESULT 903  
US-10-209-787-480  
; Sequence 480, Application US/10209787  
; Publication No. US20030217377A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/10/209,787  
; CURRENT FILING DATE: 2002-07-30  
; PRIOR APPLICATION NUMBER: US 09/818,875  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 480  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-209-787-480

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 844 GATGGTTCAGTACCG 860  
DB 1 GATGGCCAGCACACAG 17  
|||||

RESULT 904  
US-10-209-787-1319  
; Sequence 1319, Application US/10209787  
; Publication No. US20030217377A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/10/209,787  
; CURRENT FILING DATE: 2002-07-30  
; PRIOR APPLICATION NUMBER: US 09/818,875  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 1319  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-209-787-1319

Query Match 0.9%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 1339 TTTCAGGCAGGCCCGG 1355  
DB 1 TTTCAGGCTGGGCTAGG 17  
|||||

RESULT 905  
US-10-209-787-1320/c  
; Sequence 1320, Application US/10209787  
; Publication No. US20030217377A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/10/209,787  
; CURRENT FILING DATE: 2002-07-30  
; PRIOR APPLICATION NUMBER: US 09/818,875  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 1320  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-209-787-1320

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1339 TTTCAGGCAGGCCCGG 1355  
DB 17 TTTCAGGCTGGGCTAGG 1  
|||||

RESULT 906  
US-10-209-787-3186/c  
; Sequence 3186, Application US/10209787  
; Publication No. US20030217377A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/10/209,787  
; CURRENT FILING DATE: 2002-07-30  
; PRIOR APPLICATION NUMBER: US 09/818,875  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4

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; SEQ ID NO 3186
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-3186

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 872 CCACAGCCCAAGTTCCAG 888
Db 17 CCACAGTCCACTCCAG 1

RESULT 907
US-10-209-787-3187
; Sequence 3187, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Stranded Oligonucleotides
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3187
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-3187

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 872 CCACAGCCCAAGTTCCAG 888
Db 1 CCACAGTCCACTCCAG 17

RESULT 908
US-10-041-856-64
; Sequence 64, Application US/10041856
; Publication No. US20020169299A1
; GENERAL INFORMATION:
; APPLICANT: SLAUGENHAUPT, SUSAN
; APPLICANT: GUSELLA, JAMES F.
; TITLE OF INVENTION: GENE FOR IDENTIFYING INDIVIDUALS WITH FAMILIAL
; FILE REFERENCE: 1829-4004US1
; CURRENT APPLICATION NUMBER: US/10/041,856
; CURRENT FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 60/260,080
; PRIOR FILING DATE: 2001-01-06
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 64
; LENGTH: 17
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; TYPE: DNA
; ORGANISM: Mus sp.
US-10-041-856-64

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1030 AGTCAGCTGACTCTTC 1046
Db 1 AGGTAAGCTGACTCTTC 17

RESULT 909
US-10-060-830-691
; Sequence 691, Application US/10060830
; Publication No. US20030032154A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: HUMAN LCCL DOMAIN CONTAINING PROTEIN
; FILE REFERENCE: PB0169
; CURRENT APPLICATION NUMBER: US/10/060,830
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/325,062
; PRIOR FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 1123
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 691
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-830-691

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 958 CTCGAGGACTGACCCCT 974
Db 1 CTCGAGGACTGACAGCT 17

RESULT 910
US-10-060-756A-63/c
; Sequence 63, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
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; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/327,898  
; PRIOR FILING DATE: 2001-10-09  
; NUMBER OF SEQ ID NOS: 4804  
; SOFTWARE: Acomica Sequence Listing Engine  
; SEQ ID NO 63  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-756A-63

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 525 GCGGAGGACGACTGG 541  
||| ||||| ||||| |||||  
Db 17 GCAGGAGGAACAGCAGG 1

RESULT 911  
US-10-060-756A-116  
; Sequence 116, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/327,898  
; PRIOR FILING DATE: 2001-10-09  
; NUMBER OF SEQ ID NOS: 4804  
; SOFTWARE: Acomica Sequence Listing Engine  
; SEQ ID NO 116  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-756A-116

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 650 CCAAGACCTGCTCGGG 666  
||| ||||| ||||| |||||  
Db 1 CCAAGCCAGGCGCGGG 17

RESULT 912  
US-10-060-756A-117  
; Sequence 117, Application US/10060756A

; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/327,898  
; PRIOR FILING DATE: 2001-10-09  
; NUMBER OF SEQ ID NOS: 4804  
; SOFTWARE: Acomica Sequence Listing Engine  
; SEQ ID NO 117  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-756A-117

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 651 CCAAGACCTGCTCGGG 667  
||| ||||| ||||| |||||  
Db 1 CCAAGCCAGGCGCGGG 17

RESULT 913  
US-10-060-756A-344/c  
; Sequence 344, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/327,898  
; PRIOR FILING DATE: 2001-10-09  
; NUMBER OF SEQ ID NOS: 4804  
; SOFTWARE: Acomica Sequence Listing Engine  
; SEQ ID NO 344  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-756A-344

1	FILE REFERENCE: P00177	
2	CURRENT APPLICATION NUMBER: US/10/060,756A	
3	CURRENT FILING DATE: 2002-01-30	
4	PRIOR APPLICATION NUMBER: PCT/US01/00667	
5	PRIOR FILING DATE: 2001-01-30	
6	PRIOR APPLICATION NUMBER: PCT/US01/00664	
7	PRIOR FILING DATE: 2001-01-30	
8	PRIOR APPLICATION NUMBER: PCT/US01/00669	
9	PRIOR FILING DATE: 2001-01-30	
10	PRIOR APPLICATION NUMBER: PCT/US01/00665	
11	PRIOR FILING DATE: 2001-01-30	
12	PRIOR APPLICATION NUMBER: PCT/US01/00668	
13	PRIOR FILING DATE: 2001-01-30	

RESULT 917  
US-10-060-756A-497/c  
; Sequence 497, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN





; PRIOR APPLICATION NUMBER: US 60/327,898  
 ; PRIOR FILING DATE: 2001-01-30  
 ; NUMBER OF SEQ ID NOS: 4804  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 695  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-060-756A-695

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 467 GCTGCGGGGGGAGGAC 483  
 Db 1 GCCTCCAGGAGGAGCAC 17

RESULT 921  
 US-10-060-756A-696  
 ; Sequence 696, Application US/10060756A  
 ; Publication No. US20030046717A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Zhang, Jian  
 ; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
 ; FILE REFERENCE: PB0177  
 ; CURRENT APPLICATION NUMBER: US/10/060,756A  
 ; CURRENT FILING DATE: 2002-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 09/864,761  
 ; PRIOR FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/327,898  
 ; PRIOR FILING DATE: 2001-01-30  
 ; NUMBER OF SEQ ID NOS: 4804  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 696  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-060-756A-696

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 522 CCTGCGGGGGGAGGAC 538  
 Db 1 CCTCCAGGAGGAGCAC 17

RESULT 922  
 US-10-060-756A-810/c  
 ; Sequence 810, Application US/10060756A  
 ; Publication No. US20030046717A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Zhang, Jian  
 ; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
 ; FILE REFERENCE: PB0177  
 ; CURRENT APPLICATION NUMBER: US/10/060,756A  
 ; CURRENT FILING DATE: 2002-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 09/864,761  
 ; PRIOR FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/327,898  
 ; PRIOR FILING DATE: 2001-01-30  
 ; NUMBER OF SEQ ID NOS: 4804  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 810  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-060-756A-810

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 153 CGCTCGCGCTGATCCT 169  
 Db 17 CGCCAGCGCAGATCCT 1

RESULT 923  
 US-10-060-756A-877  
 ; Sequence 877, Application US/10060756A  
 ; Publication No. US20030046717A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Zhang, Jian  
 ; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
 ; FILE REFERENCE: PB0177  
 ; CURRENT APPLICATION NUMBER: US/10/060,756A  
 ; CURRENT FILING DATE: 2002-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 09/864,761  
 ; PRIOR FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/327,898  
 ; PRIOR FILING DATE: 2001-01-30  
 ; NUMBER OF SEQ ID NOS: 4804  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 877  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-060-756A-877

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 636 GGAGCTCTGCATCCCC 652  
 Db 1 GGCGCTCTGGTCCCC 17

RESULT 924  
US-10-060-756A-1795/c  
; Sequence 1795, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/327,898  
; PRIOR FILING DATE: 2001-10-09  
; NUMBER OF SEQ ID NOS: 4804  
; SOFTWARE: Aecmica Sequence Listing Engine  
; SEQ ID NO 1795  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-756A-1795

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 276 CAAGAGGAGGAGGAGGAG 292  
DB 17 CAATGGGAAACAGCAG 1

RESULT 925  
US-10-060-756A-1812/c  
; Sequence 1812, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/327,898  
; PRIOR FILING DATE: 2001-10-09  
; NUMBER OF SEQ ID NOS: 4804  
; SOFTWARE: Aecmica Sequence Listing Engine

; SEQ ID NO 1812  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-756A-1812  
Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 243 TGCATCTGGGACCGACC 259  
DB 17 TTCACTCTGGGACAGAC 1

RESULT 926  
US-10-060-756A-1814/c  
; Sequence 1814, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/327,898  
; PRIOR FILING DATE: 2001-10-09  
; NUMBER OF SEQ ID NOS: 4804  
; SOFTWARE: Aecmica Sequence Listing Engine  
; SEQ ID NO 1814  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-756A-1814

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 241 TCTGCATCTGGGACCGA 257  
DB 17 TGTTCACTCTGGGACAGA 1

RESULT 927  
US-10-060-756A-1815/c  
; Sequence 1815, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669

```
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1815
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-1815
```

```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 240 ATCTGATCTGGGACCG 256
||| ||||| |||||
Db 17 ATCTTCATCTGGGACAG 1
```

## RESULT 928

```
US-10-060-756A-2001/c
; Sequence 2001, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 2001
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-2001
```

```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 772 GATGTAGCAATCTCCAC 788
||||| ||||| |||||
Db 17 GATGTAGCAATCTGCAC 1
```

## RESULT 929

```
US-10-287-919-270
```

```
; Sequence 270, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-884-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 270
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (88320)...(88336)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 3
US-10-287-919-270
```

```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 1164 AAGCAGCTAAACATGT 1180
||||| ||||| |||||
Db 1 AAGAGCTAAATAATAT 17
```

## RESULT 930

```
US-10-203-224-20/c
; Sequence 20, Application US/10203224
; Publication No. US20030086945A1
; GENERAL INFORMATION:
; APPLICANT: COLLINS, James E.
; APPLICANT: FAABERG, Kay S.
; APPLICANT: ROSSOW, Kurt D.
; TITLE OF INVENTION: PROCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS AND
; FILE REFERENCE: 110.01250101
; CURRENT APPLICATION NUMBER: US/10/203,224
; CURRENT FILING DATE: 2002-08-07
; PRIOR APPLICATION NUMBER: PCT/US01/04351
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/181,041
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 60/193,220
; PRIOR FILING DATE: 2000-03-30
; PRIOR APPLICATION NUMBER: 60/206,624
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: 60/215,373
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 60/260,041
; PRIOR FILING DATE: 2001-01-05
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-203-224-20
```

```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 423 AGACAGGAGCACGTTCA 439
||||| ||||| |||||
Db 17 AGACAGGAGCACGTTCA 1
```

## RESULT 931



```
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/315,984
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 1682
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 142
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-060-895A-142
```

```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 660 GGTCTGGGGGACTTGGCCA 676
    ||| ||| ||| ||| |||
Db 17 GGGCGGGGCACTTGGCCA 1
```

```
RESULT 936
US-10-060-895A-143/c
; Sequence 143, Application US/10060895A
; Publication No. US20030104403A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE 10
; FILE REFERENCE: PB0158
; CURRENT APPLICATION NUMBER: US/10/060,895A
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/315,984
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 1682
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 143
```

```
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-060-895A-143
```

```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 659 TGTCTGGGGGACTTGGCC 675
    ||| ||| ||| ||| |||
Db 17 TGGCGGGGCACTTGGCC 1
```

```
RESULT 937
US-10-060-895A-161/c
; Sequence 161, Application US/10060895A
; Publication No. US20030104403A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: HUMAN UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
; FILE REFERENCE: PB0158
; CURRENT APPLICATION NUMBER: US/10/060,895A
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/315,984
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 1682
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 161
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-060-895A-161
```

```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 145 CTCGGCTCGGCTCGCG 161
    ||| ||| ||| ||| |||
Db 17 CTCGGCTCGGCACTTGGCC 1
```

```
RESULT 938
US-10-060-895A-388/c
; Sequence 388, Application US/10060895A
; Publication No. US20030104403A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: HUMAN UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
; FILE REFERENCE: PB0158
```

; CURRENT APPLICATION NUMBER: US/10/060,895A  
; CURRENT FILING DATE: 2002-06-10  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/315,984  
; PRIOR FILING DATE: 2001-08-30  
; NUMBER OF SEQ ID NOS: 1682  
; SOFTWARE: Aescmca Sequence Listing Engine  
; SEQ ID NO 388  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-895A-388

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1137 CTATGCCCTTTTCTT 1153  
||| ||||| |||||  
DB 17 CTATGCCCTTTTCTT 1

RESULT 939  
US-10-060-998-1031/c  
; Sequence 1031, Application US/10060998  
; Publication No. US20030104530A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1  
; FILE REFERENCE: PB01108  
; CURRENT APPLICATION NUMBER: US/10/060,998  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/343,331  
; PRIOR FILING DATE: 2001-12-21  
; NUMBER OF SEQ ID NOS: 3056  
; SOFTWARE: Aescmca Sequence Listing Engine  
; SEQ ID NO 1031  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-998-1031

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1163 AAAGCAGCTAAACATG 1179  
||| ||||| |||||  
DB 17 AAAGCAGCTAAACAGG 1

RESULT 940

US-10-060-998-1354/c  
; Sequence 1354, Application US/10060998  
; Publication No. US20030104530A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1  
; FILE REFERENCE: PB01108  
; CURRENT APPLICATION NUMBER: US/10/060,998  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/343,331  
; PRIOR FILING DATE: 2001-12-21  
; NUMBER OF SEQ ID NOS: 3056  
; SOFTWARE: Aescmca Sequence Listing Engine  
; SEQ ID NO 1354  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-998-1354

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1330 GATCTGTGTTTCAGGC 1346  
||||| ||||| |||||  
DB 17 GATCTGTGTTTCAGGC 1

RESULT 941  
US-10-163-552-135  
; Sequence 135, Application US/10163552  
; Publication No. US20030105051A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: MCSwigen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to lev  
; FILE REFERENCE: MBH01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 1997  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 135  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-163-552-135

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 523 CTCCGGGAGGAGCT 539  
||| ||||| |||||  
DB 1 CUGCGGAGGAGCAGCU 17

RESULT 942  
US-10-163-552-174/c  
; Sequence 174, Application US/10163552  
; Publication No. US20030105051A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: MCSwigen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to lev  
; FILE REFERENCE: MBH01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06

; NUMBER OF SEQ ID NOS: 1997  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 174  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-163-552-174

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 719 CCACGACGAGGGGCC 735  
Db 17 CCACGACGAGGGGCC 1

RESULT 943  
US-10-163-552-510  
; Sequence 510, Application US/10163552  
; Publication No. US20030105051A1

; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level  
; TITLE OF INVENTION: HER2  
; FILE REFERENCE: MBH01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 1997  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 510  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-163-552-510

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 58.8%; Pred. No. 4.6e+02;  
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1238 TGCTGACGTGGCCATG 1254  
Db 1 UGCGUGGUGGUGUCUUG 17

RESULT 944  
US-10-163-552-662  
; Sequence 662, Application US/10163552  
; Publication No. US20030105051A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level  
; TITLE OF INVENTION: HER2  
; FILE REFERENCE: MBH01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 1997  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 662  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-163-552-662

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1018 AGATGTGCAAGTGC 1034  
Db 1 AGAUGGGGCAAGGUC 17

RESULT 945  
US-10-163-552-815  
; Sequence 815, Application US/10163552  
; Publication No. US20030105051A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level  
; TITLE OF INVENTION: HER2  
; FILE REFERENCE: MBH01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 1997  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 815  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-163-552-815

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 76.5%; Pred. No. 4.6e+02;  
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 894 GCGTACAGCGTGGCCC 910  
Db 1 GCGUACAGAGGACC 17

RESULT 946  
US-10-163-552-895  
; Sequence 895, Application US/10163552  
; Publication No. US20030105051A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level  
; TITLE OF INVENTION: HER2  
; FILE REFERENCE: MBH01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 1997  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 895  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-163-552-895

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 58.8%; Pred. No. 4.6e+02;  
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1240 CTGGACGTGGCCATGTG 1256  
Db 1 CUGGACGUGCCAGUG 17

RESULT 947  
US-10-163-552-975/c  
; Sequence 975, Application US/10163552  
; Publication No. US20030105051A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level  
; TITLE OF INVENTION: HER2  
; FILE REFERENCE: MBH01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 1997



QY	1144	TTTTTCTTTTGGAA	1160
		::::: ::::	
Dd	1	UUUUUUUUUUUAAA	17

); CURRENT & EXPIRING DATE: 2002-03-28  
; NUMBER OF SEO ID NOS: 8013

QY	1144	TTTTTCTTTTGGAA	1160
		::::: ::::	
Dd	1	UUUUUUUUUUUAAA	17

QY 863 TTGAGGTCCCCACAGCC 879  
: |||: ||| ||| |||

; NUMBER OF SEQ ID NOS: 8013



```
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-156-306-6880

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 278 AAGAGGAAGCAGCAGCA 294
      ||||| ||||| |||||
Db 1 AAGAGGCGAGAGGAGCA 17

RESULT 963
US-10-156-306-6893/c
/ Sequence 6893, Application US/10156306
/ Publication No. US20030119017A1
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
/ TITLE OF INVENTION: Levels of IKK-Gamma and PKR
/ FILE REFERENCE: MBH01-664-A (400/050)
/ CURRENT APPLICATION NUMBER: US/10/156,306
/ CURRENT FILING DATE: 2002-05-28
/ NUMBER OF SEQ ID NOS: 8013
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 6893
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-156-306-6893

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 234 TCAGGCATCTGTCATCTG 250
      ||||| ||||| |||||
Db 17 TCAGGCATCTGTCGTCG 1

RESULT 964
US-10-156-306-6936
/ Sequence 6936, Application US/10156306
/ Publication No. US20030119017A1
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
/ TITLE OF INVENTION: Levels of IKK-Gamma and PKR
/ FILE REFERENCE: MBH01-664-A (400/050)
/ CURRENT APPLICATION NUMBER: US/10/156,306
/ CURRENT FILING DATE: 2002-05-28
/ NUMBER OF SEQ ID NOS: 8013
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 6936
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-156-306-6936

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 524 TGCCGGAGGAGCAGCTG 540
      :||| ||||| |||||
Db 1 UGCAGGUGGAGCAGCUG 17

RESULT 965
US-10-156-306-7020
/ Sequence 7020, Application US/10156306
/ Publication No. US20030119017A1
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
/ TITLE OF INVENTION: Levels of IKK-Gamma and PKR
/ FILE REFERENCE: MBH01-664-A (400/050)
/ CURRENT APPLICATION NUMBER: US/10/156,306
/ CURRENT FILING DATE: 2002-05-28
/ NUMBER OF SEQ ID NOS: 8013
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 7020
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-156-306-7020

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 523 CTCGCGGAGGAGCAGCT 539
      |:| ||||| |||||
Db 1 CUCCUGCAGGAGCAGCU 17

RESULT 966
US-10-156-306-7021
/ Sequence 7021, Application US/10156306
/ Publication No. US20030119017A1
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
/ TITLE OF INVENTION: Levels of IKK-Gamma and PKR
/ FILE REFERENCE: MBH01-664-A (400/050)
/ CURRENT APPLICATION NUMBER: US/10/156,306
/ CURRENT FILING DATE: 2002-05-28
/ NUMBER OF SEQ ID NOS: 8013
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 7021
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-156-306-7021

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 524 TGCCGGAGGAGCAGCTG 540
      :||| ||||| |||||
Db 1 UCCUGCAGGAGCAGCUG 17

RESULT 967
US-10-156-306-7026
/ Sequence 7026, Application US/10156306
/ Publication No. US20030119017A1
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
/ TITLE OF INVENTION: Levels of IKK-Gamma and PKR
/ FILE REFERENCE: MBH01-664-A (400/050)
/ CURRENT APPLICATION NUMBER: US/10/156,306
/ CURRENT FILING DATE: 2002-05-28
/ NUMBER OF SEQ ID NOS: 8013
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 7026
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-156-306-7026
```

```
; ORGANISM: Homo sapiens
US-10-156-306-7026

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 4.6e+02;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 469 CTGACGGGGGAGGACTG 485
Db 1 CUGCAGAGGGAGUACAG 17

RESULT 968
US-10-156-306-7027
; Sequence 7027, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Lev
; TITLE OF INVENTION: Levels of IRK-Gamma and PKR
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7027
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-7027

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 4.6e+02;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 470 TGCAGGGGGGAGGACTGC 486
Db 1 UGCAGAGGGAGUACAGC 17

RESULT 969
US-10-148-835-139
; Sequence 139, Application US/10148835
; Publication No. US20030207380A1
; GENERAL INFORMATION:
; APPLICANT: SAITO et al.
; TITLE OF INVENTION: MUTANT ER alpha AND TEST SYSTEMS FOR TRANSACTIVATION
; FILE REFERENCE: 2185-0648P
; CURRENT APPLICATION NUMBER: US/10/148,835
; CURRENT FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 213
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 139
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Designed
; OTHER INFORMATION: oligonucleotide probe for Southern hybridization
US-10-148-835-139

Query Match          0.9%; Score 12.2; DB 1; Length 20;
Best Local Similarity 82.4%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 960 GCAGGACTGACCCCTCA 976
Db 3 GCAGGCGCTGACCCCTCA 19

RESULT 970
US-10-238-700-2680

; Sequence 2680, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Lev
; FILE REFERENCE: 400/057 (MEHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2680
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-2680

Query Match          0.9%; Score 12; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 5e+02;
Matches 9; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1056 CCTGGCGCTTCC 1067
Db 4 CCCUGGCCUUC 15

RESULT 971
US-10-371-474-79
; Sequence 79, Application US/10371474
; Publication No. US20030144242A1
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: William Gaarde
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF MEK4 EXPRESSION
; FILE REFERENCE: RTS-0169
; CURRENT APPLICATION NUMBER: US/10/371,474
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US/09/676,436
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 79
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense oligonucleotide
US-10-371-474-79

Query Match          0.9%; Score 12; DB 1; Length 20;
Best Local Similarity 75.0%; Pred. No. 6.4e+02;
Matches 15; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 659 TGGTCGGGAGCTGGCCAGC 678
Db 1 TGGTCGAGGAGCTGGCTGGC 20

RESULT 972
US-09-877-478-1412
; Sequence 1412, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
```

;; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication  
;; FILE REFERENCE: MBH00-845-H (400/029)  
;; CURRENT APPLICATION NUMBER: US/09/877,478  
;; CURRENT FILING DATE: 2001-12-31  
;; PRIOR APPLICATION NUMBER: US 07/882,712  
;; PRIOR FILING DATE: 1992-05-14  
;; PRIOR APPLICATION NUMBER: US 09/531,025  
;; PRIOR FILING DATE: 2000-03-20  
;; PRIOR APPLICATION NUMBER: US 09/636,385  
;; PRIOR FILING DATE: 2000-08-09  
;; PRIOR APPLICATION NUMBER: US 09/696,347  
;; PRIOR FILING DATE: 2000-10-24  
;; PRIOR APPLICATION NUMBER: US 08/193,627  
;; PRIOR FILING DATE: 1994-02-07  
;; PRIOR APPLICATION NUMBER: US 08/433,993  
;; PRIOR FILING DATE: 1995-05-04  
;; PRIOR APPLICATION NUMBER: US 08/434,504  
;; PRIOR FILING DATE: 1995-05-04  
;; PRIOR APPLICATION NUMBER: US 09/436,430  
;; PRIOR FILING DATE: 1999-11-08  
;; NUMBER OF SEQ ID NOS: 6586  
;; SOFTWARE: PatentIn version 3.0  
;; SEQ ID NO 1412  
;; LENGTH: 17  
;; TYPE: RNA  
;; ORGANISM: Hepatitis B virus  
US-09-877-478-1412

Query Match 0.9%; Score 11.8; DB 1; Length 17;  
Best Local Similarity 73.3%; Pred. No. 5.4e+02;  
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 693 CCAGCGGCCCTCCT 707  
Db 1 CCAGCAGCCUCCU 15

## RESULT 973

US-09-827-395A-716/c  
;; Sequence 716, Application US/09827395A  
;; Publication No. US20030113891A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
;; APPLICANT: Lawrence Blatt  
;; APPLICANT: James McSwiggen  
;; APPLICANT: Bharat Chowrira  
;; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor  
;; FILE REFERENCE: MBH00-878-C (400/017)  
;; CURRENT APPLICATION NUMBER: US/09/827,395A  
;; CURRENT FILING DATE: 2001-04-05  
;; PRIOR APPLICATION NUMBER: 09/780,533  
;; PRIOR FILING DATE: 2001-02-09  
;; PRIOR APPLICATION NUMBER: 60/181,797  
;; PRIOR FILING DATE: 2000-02-11  
;; NUMBER OF SEQ ID NOS: 2617  
;; SOFTWARE: PatentIn version 3.0  
;; SEQ ID NO 716  
;; LENGTH: 17  
;; TYPE: RNA  
;; ORGANISM: Homo sapiens  
US-09-827-395A-716

Query Match 0.9%; Score 11.8; DB 1; Length 17;  
Best Local Similarity 86.7%; Pred. No. 5.4e+02;  
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 693 CCAGCGGCCCTCCT 707  
Db 16 CCAGCGGCTCCTCAT 2

## RESULT 974

US-09-864-785-146

;; Sequence 146, Application US/09864785  
;; Patent No. US2002017568A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
;; APPLICANT: Stinchcomb, Dan  
;; APPLICANT: Draper, Ken  
;; APPLICANT: McSwiggen, Jim  
;; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rela  
;; TITLE OF INVENTION: Levels of NF-kappa B  
;; FILE REFERENCE: 400/022 (MBH00-812-D)  
;; CURRENT APPLICATION NUMBER: US/09/864,785  
;; CURRENT FILING DATE: 2001-05-23  
;; NUMBER OF SEQ ID NOS: 3929  
;; SOFTWARE: PatentIn version 3.0  
;; SEQ ID NO 146  
;; LENGTH: 17  
;; TYPE: RNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-146

Query Match 0.9%; Score 11.8; DB 1; Length 17;  
Best Local Similarity 73.3%; Pred. No. 5.4e+02;  
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 582 CCTCGCTGTGCCCC 596  
Db 1 CCUCCGCCUCCGCC 15

## RESULT 975

US-10-061-201-222  
;; Sequence 222, Application US/10061201  
;; Publication No. US20030166229A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Shannon, Mark  
;; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1  
;; FILE REFERENCE: PB0178  
;; CURRENT APPLICATION NUMBER: US/10/061,201  
;; CURRENT FILING DATE: 2002-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 09/864,761  
;; PRIOR FILING DATE: 2001-05-23  
;; PRIOR APPLICATION NUMBER: US 60/328,205  
;; PRIOR FILING DATE: 2001-10-10  
;; NUMBER OF SEQ ID NOS: 4162  
;; SOFTWARE: Acomica Sequence Listing Engine  
;; SEQ ID NO 222  
;; LENGTH: 17  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-10-061-201-222

Query Match 0.9%; Score 11.8; DB 1; Length 17;  
Best Local Similarity 86.7%; Pred. No. 5.4e+02;  
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 161 GCTGATCTCAAGGT 175  
|||||  
Db 1 GCTGCTCTCCAGGT 15

## RESULT 976

US-10-156-306-4884  
; Sequence 4884, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwigen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-03-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 4884  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-4884

Query Match 0.9%; Score 11.8; DB 1; Length 17;  
Best Local Similarity 86.7%; Pred. No. 5.4e+02;  
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 720 CCAGCAGCAGGGGGC 734  
|||||  
Db 1 CCAGCAGCAGGAUGC 15

## RESULT 977

US-03-813-289-4  
; Sequence 4, Application US/09813289  
; Patent No. US20020061571A1  
; GENERAL INFORMATION:  
; APPLICANT: Mahadevan, M.S.  
; APPLICANT: Tiscornia, G  
; TITLE OF INVENTION: No. US20020061571A1 isoform of myotonic dystrophy associated protein  
; TITLE OF INVENTION: thereof  
; FILE REFERENCE: 800.027U51  
; CURRENT APPLICATION NUMBER: US/03-813,289  
; CURRENT FILING DATE: 2001-03-20  
; PRIOR APPLICATION NUMBER: US 60/190,590  
; PRIOR FILING DATE: 2000-03-20  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-03-813-289-4

Query Match 0.9%; Score 11.6; DB 1; Length 18;  
Best Local Similarity 77.8%; Pred. No. 6.4e+02;  
Matches 14; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1258 GGCCAGGTTGAGGCCCTT 1275  
|||||  
Db 1 GGCACAGTCGAGGGCCTT 18

## RESULT 978

US-03-848-585-33  
; Sequence 33, Application US/09848585  
; Patent No. US20020146391A1  
; GENERAL INFORMATION:  
; APPLICANT: LEVITT, Roy Clifford  
; APPLICANT: MALLOY, W. Lee  
; APPLICANT: KARL, U. Prasad

; APPLICANT: NICOLAIDES, Nicholas C.  
; TITLE OF INVENTION: Asthma Associated Factors As Targets For Treating Atopic Allerg  
; TITLE OF INVENTION: Including Asthma And Related Disorders  
; FILE REFERENCE: 36870-5056-12-US  
; CURRENT APPLICATION NUMBER: US/09/848,585  
; CURRENT FILING DATE: 2001-05-04  
; PRIOR APPLICATION NUMBER: US 60/002,765  
; PRIOR FILING DATE: 1995-08-24  
; PRIOR APPLICATION NUMBER: US 08/697,419  
; PRIOR FILING DATE: 1996-08-23  
; PRIOR APPLICATION NUMBER: US 08/874,503  
; PRIOR FILING DATE: 1997-06-13  
; PRIOR APPLICATION NUMBER: US 09/325,571  
; PRIOR FILING DATE: 1999-06-04  
; NUMBER OF SEQ ID NOS: 44  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 33  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: PCR oligonucleotide primer  
US-09-848-585-33

Query Match 0.9%; Score 11.6; DB 1; Length 18;  
Best Local Similarity 77.8%; Pred. No. 6.4e+02;  
Matches 14; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 802 CGTCTCCTGCGAGCCGAGC 819  
|||||  
Db 1 CTCCTCTGCGAGCTACC 18

## RESULT 979

US-08-983-605-364  
; Sequence 364, Application US/08983605A  
; Publication No. US20020066118A1  
; GENERAL INFORMATION:  
; APPLICANT: Roder, Marion  
; TITLE OF INVENTION: Microsatellite Markers for Plants of the Species  
; TITLE OF INVENTION: Triticum aestivum and Tribe Triticeae and the Use of  
; FILE REFERENCE: 2936.10400  
; CURRENT APPLICATION NUMBER: US/08/983,605A  
; CURRENT FILING DATE: 1998-05-01  
; EARLIER APPLICATION NUMBER: DE 195 25 284.5  
; PRIOR FILING DATE: 1995-06-28  
; NUMBER OF SEQ ID NOS: 466  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 364  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Triticum aestivum  
US-08-983-605-364

Query Match 0.9%; Score 11.6; DB 1; Length 20;  
Best Local Similarity 77.8%; Pred. No. 7.4e+02;  
Matches 14; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 613 GACACCTTCAGGACCAGC 630  
|||||  
Db 2 GAGACCTTGAGGGTCTAG 19

## RESULT 980

US-10-061-201-220/c  
; Sequence 220, Application US/10061201  
; Publication No. US20030166229A1  
; GENERAL INFORMATION:  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1  
; FILE REFERENCE: PBO178  
; CURRENT APPLICATION NUMBER: US/10/061,201

```
;
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 220
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-220

Query Match      0.8%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 6.4e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      526 CCGGAGGAGCAGC 538
Db      15 CTGGAGGAGCAGC 3

RESULT 981
US-10-061-201-221/c
; Sequence 221, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 221
; LENGTH: 17
; TYPE: DNA

; ORGANISM: Homo sapiens
; US-10-061-201-221

Query Match      0.8%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 6.4e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      526 CCGGAGGAGCAGC 538
Db      15 CTGGAGGAGCAGC 3

RESULT 982
US-09-827-395A-412/c
; Sequence 412, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor
; FILE REFERENCE: MBH00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 412
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-09-827-395A-412

Query Match      0.8%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 6.4e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      693 CCAGCGGCCCTC 705
Db      14 CCAGCGGCCCTC 2

RESULT 983
US-09-827-395A-717/c
; Sequence 717, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor
; FILE REFERENCE: MBH00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 717
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-09-827-395A-717

Query Match      0.8%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 6.4e+02;
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Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 693 CCAGCGGCCCTC 705  
Db 13 CCAGCGGCCCTC 1

## RESULT 984

US-09-866-108-8648  
; Sequence 8648, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharon G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: ABOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 8648  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-8648

Query Match 0.8%; Score 11.4; DB 1; Length 17;  
Best Local Similarity 92.3%; Pred. No. 6.4e+02;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 827 TGCAGCTGAGCT 839  
Db 2 TGCAGCTGAGCT 14

## RESULT 985

US-10-156-306-7020/c  
; Sequence 7020, Application US/10156306

; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat  
; FILE REFERENCE: MEHB01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 7020  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-7020

Query Match 0.8%; Score 11.4; DB 1; Length 17;  
Best Local Similarity 92.3%; Pred. No. 6.4e+02;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 568 CTGCTCCAGCAGG 580  
Db 15 CTGCTCTGCAGG 3

## RESULT 986

US-10-156-306-7021/c  
; Sequence 7021, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat  
; FILE REFERENCE: MEHB01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 7021  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-7021

Query Match 0.8%; Score 11.4; DB 1; Length 17;  
Best Local Similarity 92.3%; Pred. No. 6.4e+02;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 568 CTGCTCCAGCAGG 580  
Db 14 CTGCTCTGCAGG 2

## RESULT 987

US-08-887-505-50  
; Sequence 50, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP

```
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-50

Query Match 0.8%; Score 11.4; DB 1; Length 18;
Best Local Similarity 84.6%; Pred. No. 6.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 726 GCAGGGGCGCTGG 738
Db 4 GCAGGGGCGCTGG 16

RESULT 988
US-10-156-306-4968/c
; Sequence 4968, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4968
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-4968

Query Match 0.8%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 6.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 819 CGTCCTGATGCAGCTG 834
Db 17 CGGCCTGCTGGAGCTG 2

RESULT 989
US-10-156-306-5898/c
; Sequence 5898, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5898
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-5898

Query Match 0.8%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 6.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 819 CGTCCTGATGCAGCTG 834
Db 16 CGGCCTGCTGGAGCTG 1

RESULT 990
US-09-864-785-145/c
; Sequence 145, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 145
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-145

Query Match 0.8%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 6.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 466 AGCCTGCAGGGGAGG 481
Db 17 AGCGCGCAGCGGAGG 2

RESULT 991
US-09-866-108-10263
; Sequence 10263, Application US/09866108
; Patent No. US2002004800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: Ji, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
```

```
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR APPLICATION NUMBER: US 2007,456
; PRIOR FILING DATE: 2001-05-25
; PRIOR FILING DATE: 2000-05-26
; PRIOR FILING DATE: 2000-10-04
; PRIOR FILING DATE: 2000-10-04
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 10263
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10263

Query Match 0.8%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 6.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 489 AGACGGTGTACACGGT 504
Db 2 AGACGGTGTACACGGT 17

RESULT 992
US-09-930-423-1195
; Sequence 1195, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1195
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1195

Query Match 0.8%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 6.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 489 AGACGGTGTACACGGT 504
Db 2 AGACGGTGTACACGGT 17

RESULT 992
US-09-930-423-1195
; Sequence 1195, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1195
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1195
```

```
Best Local Similarity 68.8%; Pred. No. 6.9e+02;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 580 GCCCTCCGTCTGCCCC 595
Db 1 GGCAUCCGGCUGCCCC 16

RESULT 993
US-09-745-237A-1195
; Sequence 1195, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1195
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-1195

Query Match 0.8%; Score 11.2; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 6.9e+02;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 580 GCCCTCCGTCTGCCCC 595
Db 1 GGCAUCCGGCUGCCCC 16

RESULT 994
US-10-061-201-1376/c
; Sequence 1376, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: EB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1376
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1376/c
```

## US-10-061-201-1376

Query Match 0.8%; Score 11.2; DB 1; Length 17;  
Best Local Similarity 81.2%; Pred. No. 6.9e+02;  
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 548 TGCTGGCAGGATGCA 563  
|||||  
Db 17 TGCTGGGAGCCAGGCA 2

## RESULT 995

US-10-230-006-1357  
; Sequence 1357, Application US/10230006  
; Publication No. US20030191077A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Fornaugh, Kathy  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDI  
; FILE REFERENCE: 400/056 (MEH01-1110)  
; CURRENT APPLICATION NUMBER: US/10/230,006  
; PRIOR FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: US 60/315,315  
; PRIOR FILING DATE: 2001-08-28  
; NUMBER OF SEQ ID NOS: 2678  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1357  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-230-006-1357

Query Match 0.8%; Score 11.2; DB 1; Length 17;  
Best Local Similarity 75.0%; Pred. No. 6.9e+02;  
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 394 GCAGCAATGGCCCGC 409  
||||| : |||||  
Db 1 GCAGUACUGCCCGC 16

## RESULT 996

US-10-041-856-64/c  
; Sequence 64, Application US/10041856  
; Publication No. US20020169299A1  
; GENERAL INFORMATION:  
; APPLICANT: SLAUGENHAUPT, SUSAN  
; APPLICANT: GUSELLA, JAMES F.  
; TITLE OF INVENTION: GENE FOR IDENTIFYING INDIVIDUALS WITH FAMILIAL  
; TITLE OF INVENTION: DYSAUTONOMIA  
; FILE REFERENCE: 1829-400AUS1  
; CURRENT APPLICATION NUMBER: US/10/041,856  
; CURRENT FILING DATE: 2002-07-08  
; PRIOR APPLICATION NUMBER: 60/260,080  
; PRIOR FILING DATE: 2001-01-06  
; NUMBER OF SEQ ID NOS: 88  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 64  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Mus sp.  
US-10-041-856-64

Query Match 0.8%; Score 11.2; DB 1; Length 17;  
Best Local Similarity 81.2%; Pred. No. 6.9e+02;  
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 844 GATGGGTCAGCATACC 859  
|||||  
Db 17 GAAGAGTCAGCTTACC 2

## RESULT 997

US-10-156-306-4422/c  
; Sequence 4422, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rela  
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR  
; FILE REFERENCE: MEH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4422  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-4422

Query Match 0.8%; Score 11.2; DB 1; Length 17;  
Best Local Similarity 81.2%; Pred. No. 6.9e+02;  
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 239 CATCTGCATCTGGGAC 254  
|||||  
Db 16 CACCTGCAACTGGGCC 1

## RESULT 998

US-10-156-306-5882/c  
; Sequence 5882, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rela  
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR  
; FILE REFERENCE: MEH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5882  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-5882

Query Match 0.8%; Score 11.2; DB 1; Length 17;  
Best Local Similarity 81.2%; Pred. No. 6.9e+02;  
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 237 GGCATCTGCATCTGGG 252  
|||||  
Db 17 GCCACCTGCAACTGGG 2

## RESULT 999

US-09-972-607-44  
; Sequence 44, Application US/09972607  
; Publication No. US20030105037A1  
; GENERAL INFORMATION:  
; APPLICANT: Brett F. Monia  
; APPLICANT: Jacqueline Wyatt  
; TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B KINASE-GAMMA EXPRESSI  
; FILE REFERENCE: RTS-0191  
; CURRENT APPLICATION NUMBER: US/09/972,607  
; CURRENT FILING DATE: 2001-10-06  
; NUMBER OF SEQ ID NOS: 88  
; SEQ ID NO 44  
; LENGTH: 20  
; TYPE: DNA

```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-972-607-44

Query Match      0.8%; Score 11.2; DB 1; Length 20;
Best Local Similarity 81.2%; Pred. No. 8.5e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 237 GGCATCTGCATCTGGG 252
   |||||
Db 4 GCCACCTGCAACTGGG 19

RESULT 1000
US-10-238-700-2999
; Sequence 2999, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2999
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-2999

Query Match      0.8%; Score 11; DB 1; Length 17;
Best Local Similarity 81.8%; Pred. No. 7.4e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 731 GGGCCTGGCTG 741
   |||||
Db 2 GGGCUGGCG 12

RESULT 1001
US-10-060-830-702
; Sequence 702, Application US/10060830
; Publication No. US2003032154A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: HUMAN LCCL DOMAN CONTAINING PROTEIN
; FILE REFERENCE: PB0169
; CURRENT APPLICATION NUMBER: US/10/060,830
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/325,062
; PRIOR FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 1123
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 703
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-830-703

```

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; NUMBER OF SEQ ID NOS: 1123
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 702
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-830-702

Query Match      0.8%; Score 11; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 223 GCTCCTCAGCC 233
   |||||
Db 7 GCTCCTCAGCC 17

RESULT 1002
US-10-060-830-703
; Sequence 703, Application US/10060830
; Publication No. US2003032154A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: HUMAN LCCL DOMAN CONTAINING PROTEIN
; FILE REFERENCE: PB0169
; CURRENT APPLICATION NUMBER: US/10/060,830
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/325,062
; PRIOR FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 1123
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 703
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-830-703

Query Match      0.8%; Score 11; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 223 GCTCCTCAGCC 233
   |||||
Db 6 GCTCCTCAGCC 16

RESULT 1003
US-09-864-785-216
; Sequence 216, Application US/09864785
; Patent No. US2002017758A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rela
; FILE REFERENCE: 400/022 (MBHB00-812-D)

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; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 216
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-216

Query Match          0.8%; Score 11; DB 1; Length 17;
Best Local Similarity 90.8%; Pred. No. 7.4e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 465 CAGCGTGCAGG 475
Db 1 CAGCCUGCAGG 11

RESULT 1004
US-10-116-949-33/c
; Sequence 33, Application US/10116949
; Publication No. US2003004911A1
; GENERAL INFORMATION:
; APPLICANT: Lerman, Michael I.
; APPLICANT: Lerman, John D.
; APPLICANT: Minna, John D.
; APPLICANT: Latif, Farida
; APPLICANT: Wei, Ming-Hui
; APPLICANT: Sekido, Yoshitaka
; APPLICANT: Gao, Boning
; APPLICANT: Duh, Fuh-Mei
; TITLE OF INVENTION: Calcium Channel Compositions and Methods of Use Thereof
; FILE REFERENCE: NIH-05043
; CURRENT APPLICATION NUMBER: US/10/116,949
; CURRENT FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/470,443
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/114,359
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-116-949-33

Query Match          0.8%; Score 11; DB 1; Length 20;
Best Local Similarity 73.7%; Pred. No. 9.1e+02;
Matches 14; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 618 CTTCCAGGACCGCTCCAG 636
Db 19 CTCCTGTGACCATCACCAG 1

RESULT 1005
US-10-116-949-43/c
; Sequence 43, Application US/10116949
; Publication No. US2003004911A1
; GENERAL INFORMATION:
; APPLICANT: Lerman, Michael I.
; APPLICANT: Minna, John D.
; APPLICANT: Latif, Farida
; APPLICANT: Wei, Ming-Hui
; APPLICANT: Sekido, Yoshitaka
; APPLICANT: Gao, Boning
; APPLICANT: Duh, Fuh-Mei
; TITLE OF INVENTION: Calcium Channel Compositions and Methods of Use Thereof

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```

; FILE REFERENCE: NIH-05043
; CURRENT APPLICATION NUMBER: US/10/116,949
; CURRENT FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/470,443
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/114,359
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-116-949-43

Query Match          0.8%; Score 11; DB 1; Length 20;
Best Local Similarity 73.7%; Pred. No. 9.1e+02;
Matches 14; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 618 CTTCCAGGACCGCTCCAG 636
Db 19 CTCCTGTGACCATCACCAG 1

RESULT 1006
US-10-111-866-12
; Sequence 12, Application US/10111866
; Publication No. US2003007709A1
; GENERAL INFORMATION:
; APPLICANT: Yamanouchi Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: No. US2003007709A1 Leukotriene B4 Receptor
; FILE REFERENCE: Q69841
; CURRENT APPLICATION NUMBER: US/10/111,866
; CURRENT FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: JP 2000-078992
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: JP 2000-187978
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: PCT/JP01/02060
; PRIOR FILING DATE: 2001-03-15
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-111-866-12

Query Match          0.8%; Score 11; DB 1; Length 20;
Best Local Similarity 73.7%; Pred. No. 9.1e+02;
Matches 14; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 585 CCGTCTGTCCTCCACCCAGC 603
Db 2 CAGCCAGACCCCTCCAGCAGC 20

RESULT 1007
US-09-864-785-1589
; Sequence 1589, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rela
; FILE REFERENCE: 400/022 (WBHS00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23

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Thu Jan 8 16:51:57 2004

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; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7285
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-866-108-7285

Query Match      0.8%; Score 10.8; DB 1; Length 17;
Best Local Similarity 85.7%; Pred. No. 8e+02; 2; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 2;

Qy      629 AGCTCCAGGAGCTC 642
      ||||| |||||
Db      15 AGCTCCTGGACCTC 2

```

Search completed: January 8, 2004, 16:47:40  
Job time : 32 secs



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/ GENERAL INFORMATION:
/ APPLICANT: Zhang, Jian
/ TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
/ FILE REFERENCE: PB0177
/ CURRENT APPLICATION NUMBER: US/10/060,756A
/ PRIOR FILING DATE: 2002-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 09/864,761
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/327,898
/ PRIOR FILING DATE: 2001-10-09
/ NUMBER OF SEQ ID NOS: 4804
/ SOFTWARE: Aeomica Sequence Listing Engine
/ SEQ ID NO 383
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-060-756A-383
```

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Query Match
Best Local Similarity 1.0%; Score 13.4; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 522 CCTGCCGGAGGAGCA 536
Db 3 CCTGCCGGAGGAGGA 17
```

```
RESULT 267
US-10-060-756A-384
/ Sequence 384, Application US/10060756A
/ Publication No. US20030046717A1
/ GENERAL INFORMATION:
/ APPLICANT: Zhang, Jian
/ TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
/ FILE REFERENCE: PB0177
/ CURRENT APPLICATION NUMBER: US/10/060,756A
/ PRIOR FILING DATE: 2002-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 09/864,761
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/327,898
/ PRIOR FILING DATE: 2001-10-09
/ NUMBER OF SEQ ID NOS: 4804
/ SOFTWARE: Aeomica Sequence Listing Engine
/ SEQ ID NO 384
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-060-756A-384
```

```
Query Match
Best Local Similarity 1.0%; Score 13.4; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 522 CCTGCCGGAGGAGCA 536
Db 2 CCTGCCGGAGGAGGA 16
```

```
RESULT 268
US-10-060-756A-385
/ Sequence 385, Application US/10060756A
/ Publication No. US20030046717A1
/ GENERAL INFORMATION:
/ APPLICANT: Zhang, Jian
/ TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
/ FILE REFERENCE: PB0177
/ CURRENT APPLICATION NUMBER: US/10/060,756A
/ PRIOR FILING DATE: 2002-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 09/864,761
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/327,898
/ PRIOR FILING DATE: 2001-10-09
/ NUMBER OF SEQ ID NOS: 4804
/ SOFTWARE: Aeomica Sequence Listing Engine
/ SEQ ID NO 385
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-060-756A-385
```

```
Query Match
Best Local Similarity 1.0%; Score 13.4; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 522 CCTGCCGGAGGAGCA 536
Db 1 CCTGCCGGAGGAGGA 15
```

```
RESULT 269
US-10-100-321-17
/ Sequence 17, Application US/10100321
/ Publication No. US20030087251A1
/ GENERAL INFORMATION:
/ APPLICANT: Kurn, Nurith
/ TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
/ FILE REFERENCE: AMPLIFICATION OF RNA SEQUENCES
/ CURRENT APPLICATION NUMBER: US/10/100,321
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US 60/274,550
/ PRIOR FILING DATE: 2001-03-09
/ NUMBER OF SEQ ID NOS: 24
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 17
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Primer
```

## US-10-100-321-17

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 261 CCTGGCTGGCTGAT 275  
DB 1 CATGGCTGGCTGAT 15

## RESULT 270

US-10-060-998-593/c  
; Sequence 593, Application US/10060998  
; Publication No. US20030104530A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1  
; FILE REFERENCE: PB01108  
; CURRENT APPLICATION NUMBER: US/10/060,998  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/343,331  
; PRIOR FILING DATE: 2001-12-21  
; NUMBER OF SEQ ID NOS: 3056  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 593  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-998-593

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 AGGAGATGGCAGATC 934  
DB 17 AGGAGATGGCAGTTC 3

## RESULT 271

US-10-060-998-594/c  
; Sequence 594, Application US/10060998  
; Publication No. US20030104530A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1  
; FILE REFERENCE: PB01108  
; CURRENT APPLICATION NUMBER: US/10/060,998  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/343,331  
; PRIOR FILING DATE: 2001-12-21  
; NUMBER OF SEQ ID NOS: 3056  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 594  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-998-594

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 AGGAGATGGCAGATC 934

DB 16 AGGAGATGGCAGTTC 2

## RESULT 272

US-10-060-998-595/c  
; Sequence 595, Application US/10060998  
; Publication No. US20030104530A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1  
; FILE REFERENCE: PB01108  
; CURRENT APPLICATION NUMBER: US/10/060,998  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/343,331  
; PRIOR FILING DATE: 2001-12-21  
; NUMBER OF SEQ ID NOS: 3056  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 595  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-998-595

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 AGGAGATGGCAGATC 934  
DB 15 AGGAGATGGCAGTTC 1

## RESULT 273

US-10-156-306-4467/c  
; Sequence 4467, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Re:  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4467  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-4467

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 950 AGCGCAGACTGCAGG 964  
DB 15 AGCGCAGACTGCACG 1

## RESULT 274

US-10-156-306-4807  
; Sequence 4807, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: McSwiggen, James

; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR

; FILE REFERENCE: MEHB01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306

; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013

; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4807

; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens

US-10-156-306-4807

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 86.7%; Pred. No. 2.7e+02;

Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 715 GTGCCCCAGCAGCAG 729

Db 3 GUGGCCCGCAGCAG 17

RESULT 275

US-10-156-306-4967

; Sequence 4967, Application US/10156306  
; Publication No. US20030119017A1

; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to

; FILE REFERENCE: MEHB01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306

; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013

; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4967

; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens

US-10-156-306-4967

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 86.7%; Pred. No. 2.7e+02;

Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 568 CTGCTCCAGCAGGCC 582

Db 3 CAGCUCACAGCAGGCC 17

RESULT 276

US-10-156-306-4968

; Sequence 4968, Application US/10156306  
; Publication No. US20030119017A1

; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to

; FILE REFERENCE: MEHB01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306

; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013

; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4968

; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens

US-10-156-306-4968

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 86.7%; Pred. No. 2.7e+02;

Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 568 CTGCTCCAGCAGGCC 582

Db 2 CAGCUCACAGCAGGCC 16

RESULT 277

US-10-156-306-5781

; Sequence 5781, Application US/10156306  
; Publication No. US20030119017A1

; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to

; FILE REFERENCE: MEHB01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306

; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013

; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5781

; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens

US-10-156-306-5781

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 86.7%; Pred. No. 2.7e+02;

Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 715 GTGCCCCAGCAGCAG 729

Db 1 GUGGCCCGCAGCAG 15

RESULT 278

US-10-156-306-5898

; Sequence 5898, Application US/10156306  
; Publication No. US20030119017A1

; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to

; FILE REFERENCE: MEHB01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306

; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013

; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5898

; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens

US-10-156-306-5898

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 86.7%; Pred. No. 2.7e+02;

Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 568 CTGCTCCAGCAGGCC 582

Db 1 CAGCUCACAGCAGGCC 15

RESULT 279

US-10-156-306-5969/c

; Sequence 5969, Application US/10156306  
; Publication No. US20030119017A1

; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to

; TITLE OF INVENTION: Levels of IKK-Gamma and PKR  
 ; FILE REFERENCE: MBH01-664-A (400/050)  
 ; CURRENT APPLICATION NUMBER: US/10/156,306  
 ; CURRENT FILING DATE: 2002-05-28  
 ; NUMBER OF SEQ ID NOS: 8013  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 5969  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-10-156-306-5969

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 950 AGCGCAGACTGCAGG 964  
 |||||  
 Db 17 AGCGCAGACTGCAGG 3

RESULT 280  
 US-10-156-306-6819  
 ; Sequence 6819, Application US/10156306  
 ; Publication No. US20030119017A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: McSwiggen, James  
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
 ; FILE REFERENCE: MBH01-664-A (400/050)  
 ; CURRENT APPLICATION NUMBER: US/10/156,306  
 ; CURRENT FILING DATE: 2002-05-28  
 ; NUMBER OF SEQ ID NOS: 8013  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 6819  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-10-156-306-6819

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 86.7%; Pred. No. 2.7e+02;  
 Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 715 GTGGCCCGCAGCAGCAG 729  
 |||||  
 Db 2 GUGGCCCGCAGCAGCAG 16

RESULT 281  
 US-09-847-113-9/c  
 ; Sequence 9, Application US/09847113  
 ; Patent No. US20020121314A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yu, Changjun  
 ; TITLE OF INVENTION: Target Analyte Detection Using Asymmetrical Self-Assembled Monolayers  
 ; FILE REFERENCE: A-69308-1  
 ; CURRENT APPLICATION NUMBER: US/09/847,113  
 ; CURRENT FILING DATE: 2001-05-01  
 ; PRIOR APPLICATION NUMBER: 60/201,026  
 ; PRIOR FILING DATE: 2000-05-01  
 ; PRIOR APPLICATION NUMBER: 09/626,096  
 ; PRIOR FILING DATE: 2000-07-26  
 ; NUMBER OF SEQ ID NOS: 9  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 9  
 ; LENGTH: 18  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: sandwich assay target and signaling probe.  
 US-09-847-113-9

Query Match 1.0%; Score 13.4; DB 1; Length 18;  
 Best Local Similarity 93.3%; Pred. No. 3e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 7 GCAGTTGAGGTGGAT 21  
 |||||  
 Db 15 GCAGTTGAGGTGGAT 1

RESULT 282  
 US-09-880-732-51/c  
 ; Sequence 51, Application US/09880732  
 ; Patent No. US20020127561A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GENICON SCIENCES CORPORATION  
 ; APPLICANT: BEE, Gary  
 ; APPLICANT: KOHNE, David E.  
 ; APPLICANT: KORB, Linda  
 ; APPLICANT: PETERSON, Todd  
 ; APPLICANT: IGUERABIDE, Juan  
 ; TITLE OF INVENTION: ASSAY FOR GENETIC POLYMORPHISMS USING SCATTERED LIGHT DETECTION  
 ; FILE REFERENCE: 089498/0403  
 ; CURRENT APPLICATION NUMBER: US/09/880,732  
 ; CURRENT FILING DATE: 2001-09-17  
 ; PRIOR APPLICATION NUMBER: US 60/210,988  
 ; PRIOR FILING DATE: 2000-06-12  
 ; NUMBER OF SEQ ID NOS: 64  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 51  
 ; LENGTH: 18  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: Exemplary probe for CYP2D6 allele detection  
 US-09-880-732-51

Query Match 1.0%; Score 13.4; DB 1; Length 18;  
 Best Local Similarity 93.3%; Pred. No. 3e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 562 CACACACTGCTCCAG 576  
 |||||  
 Db 15 CACCCACTGCTCCAG 1

RESULT 283  
 US-10-106-799-3  
 ; Sequence 3, Application US/10106799  
 ; Publication No. US20030140379A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Council of Scientific and Industrial Research  
 ; TITLE OF INVENTION: NO. US20030140379A1el DNA sequence in plants Caragana jubata  
 ; TITLE OF INVENTION: method thereof  
 ; FILE REFERENCE: US 673  
 ; CURRENT APPLICATION NUMBER: US/10/106,799  
 ; CURRENT FILING DATE: 2002-10-31  
 ; NUMBER OF SEQ ID NOS: 32  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 3  
 ; LENGTH: 18  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: T11G (anchored) primer for differential display  
 US-10-106-799-3

Query Match 1.0%; Score 13.4; DB 1; Length 18;  
 Best Local Similarity 93.3%; Pred. No. 3e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1143 CTTTTTTCTTTTGTG 1157

Db 4 CTTTTTTTTTTTG 18

## RESULT 284

US-09-823-887C-7  
; Sequence 7, Application US/09823887C  
; Publication No. US20030180723A1  
; GENERAL INFORMATION:  
; APPLICANT: Kumar, Sanjay  
; APPLICANT: Lal, Lakshvir  
; APPLICANT: Ahuja, Paramvir  
; TITLE OF INVENTION: Cloning of No. US20030180723A1 Gene Sequences Expressed and Rep  
; FILE REFERENCE: H053916.0001US0  
; CURRENT APPLICATION NUMBER: US/09/823.887C  
; CURRENT FILING DATE: 2002-04-23  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 7  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: primer\_bind  
US-09-823-887C-7

Query Match 1.0%; Score 13.4; DB 1; Length 18;  
Best Local Similarity 93.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1143 CTTTTTTCTTTTG 1157  
|||||||  
Db 4 CTTTTTTTTTTTG 18

## RESULT 285

US-10-109-363-18  
; Sequence 18, Application US/10109363  
; Publication No. US20030196214A1  
; GENERAL INFORMATION:  
; APPLICANT: SHARMA, PRITI  
; APPLICANT: KUMAR, SANJAY  
; APPLICANT: AHUJA, PARAMVIR SINGH  
; TITLE OF INVENTION: NOVEL GENES FROM DROUGHT STRESS TOLERANT TEA PLANT AND A  
; FILE REFERENCE: 3097-4009  
; CURRENT APPLICATION NUMBER: US/10/109.363  
; CURRENT FILING DATE: 2002-03-27  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 18  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Camellia sinensis  
US-10-109-363-18

Query Match 1.0%; Score 13.4; DB 1; Length 18;  
Best Local Similarity 93.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1143 CTTTTTTCTTTTG 1157  
|||||||  
Db 4 CTTTTTTTTTTTG 18

## RESULT 286

US-10-440-850-1065  
; Sequence 1065, Application US/10440850  
; Publication No. US20030207937A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyne Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan

; APPLICANT: Jarvis, Thale  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Re  
; FILE REFERENCE: 250/130 (MBH00-900-A)  
; CURRENT APPLICATION NUMBER: US/10/440.850  
; CURRENT FILING DATE: 2003-05-19  
; PRIOR APPLICATION NUMBER: US/09/650.012  
; PRIOR FILING DATE: 2000-08-28  
; PRIOR APPLICATION NUMBER: US 08/585,684  
; PRIOR FILING DATE: 1996-01-12  
; PRIOR APPLICATION NUMBER: US 60/000,951  
; PRIOR FILING DATE: 1995-07-07  
; PRIOR APPLICATION NUMBER: US 09/038,073  
; PRIOR FILING DATE: 1998-03-11  
; NUMBER OF SEQ ID NOS: 2285  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1065  
; LENGTH: 18  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-440-850-1065

Query Match 1.0%; Score 13.4; DB 1; Length 18;  
Best Local Similarity 33.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;  
Matches 5; Conservative 9; Mismatches 1; Indels 0; Gaps 0;

Qy 1111 GTTTTCGTTTAAT 1125  
|:::|:::|:::|  
Db 1 GUUUUCUGUUAUU 15

## RESULT 287

US-03-887-505-50/c  
; Sequence 50, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerper, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000

```
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-50

Query Match 1.0%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred.No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 631 CTCAGGAGCTCTGCATC 648
DB 18 CTCAGGAGCTCTGCACC 1

RESULT 288
US-09-875-338-38/c
; Sequence 38, Application US/09875338
; Patent No. US20020095024A1
; GENERAL INFORMATION:
; APPLICANT: MIKESSELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LU, PIN
; APPLICANT: ZHOU, XIA-DI
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
; FILE REFERENCE: 3053-4071US2
; CURRENT APPLICATION NUMBER: US/09/875,338
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 60/272,107
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/209,811
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-875-338-38

Query Match 1.0%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred.No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1014 CCTGAGATCGTGCCCAAG 1031
DB 18 CCTGTGATGCTGACACAG 1

RESULT 289
US-09-901-484A-354
; Sequence 354, Application US/09901484A
; Patent No. US20020119460A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: Prostate Cancer Gene
; FILE REFERENCE: GEN-T11XC3D2
; CURRENT APPLICATION NUMBER: US/09/901,484A

; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 08/996,306
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: US 60/099,658
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: US 09/218,207
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: US 09/338,907
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: US 09/853,526
; PRIOR FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 578
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 354
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(18)
; OTHER INFORMATION: upstream amplification primer for SEQ 218, SEQ 295, SEQ 219,
; OTHER INFORMATION: SEQ 296
US-09-901-484A-354

Query Match 1.0%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred.No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 869 TCCCCACAGCCCAAGTTC 886
DB 1 TCCCCACAGCTAAGAGCC 18

RESULT 290
US-09-771-730-129
; Sequence 129, Application US/09771730
; Patent No. US20020146807A1
; GENERAL INFORMATION:
; APPLICANT: Prayaga, Sudhirdas K.
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: MacDougall, John R.
; APPLICANT: Spytek, Kimberly Ann
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A. M.
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 15966-645
; CURRENT APPLICATION NUMBER: US/09/771,730
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: 60/178,413
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/178,371
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/178,408
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/178,370
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/178,406
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/178,414
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/178,409
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/180,634
; PRIOR FILING DATE: 2000-02-07
; PRIOR APPLICATION NUMBER: 60/220,516
; PRIOR FILING DATE: 2000-07-24
; PRIOR APPLICATION NUMBER: 60/221,408
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 60/221,943
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: 60/257,599
; PRIOR FILING DATE: 2000-12-21
```

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; PRIOR APPLICATION NUMBER: 60/260,290
; PRIOR FILING DATE: 2001-01-08
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 129
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: NOV12 Reverse
; OTHER INFORMATION: Primer Sequence
US-09-771-730-129

Query Match      1.0%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 906 GGCCTCGTCTCTAAAGGA 923
Db 1 GGCCTCGTCTCTAAAGGA 18

RESULT 291
US-09-263-959-716
; Sequence 716, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McWaters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4300
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 716:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-716

Query Match      1.0%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1138 TATGCTTTTTCCTTTT 1155
Db 1 TTTTCTTTTTCCTTTT 18

RESULT 292

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```

US-09-853-526-354
; Sequence 354, Application US/09853526
; Patent No. US20020165345A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Ilya, Chumakov
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: PROSTATE CANCER GENE
; FILE REFERENCE: GENSET.18CPIPC
; CURRENT APPLICATION NUMBER: US/09/853,526
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 09/338,907
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 08/996,306
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: 60/099,658
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 09/218,207
; PRIOR FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 578
; SOFTWARE: Patent.pm
; SEQ ID NO 354
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer for SEQ 218, SEQ 295, SEQ 219, S
US-09-853-526-354

Query Match      1.0%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 869 TCCCCACAGCCAAAGTCC 886
Db 1 TCCCCACAGCTAAGAGCC 18

RESULT 293
US-09-782-974C-106
; Sequence 106, Application US/09782974C
; Publication No. US20030082534A1
; GENERAL INFORMATION:
; APPLICANT: Vogeli, Gabriel
; APPLICANT: Lind, Peter
; APPLICANT: Wood, Linda S.
; APPLICANT: Parodi, Luis A.
; TITLE OF INVENTION: No US20030082534A1el G Protein Coupled Receptor
; FILE REFERENCE: 411USPHRM311
; CURRENT APPLICATION NUMBER: US/09/782,974C
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/165,838
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 09/714,449
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 60/198,568
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: 60/166,071
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 60/166,678
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: 60/173,396
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/184,129
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/185,421
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/185,554
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/186,530

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; PRIOR FILING DATE: 2000-03-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 192
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 106
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: No. US20030082534A1el Sequence
US-09-782-974C-106

Query Match          1.0%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 524 TGCCGTGGAGCGCTGG 541
Db 1 TGCCGTGGAGCGCTGG 18

RESULT 294
US-10-133-779-92
; Sequence 92, Application US/10133779
; Publication No. US20030165884A1
; GENERAL INFORMATION:
; APPLICANT: Chow, Robert
; APPLICANT: Tonai, Richard
; APPLICANT: Stencys, Inc.
; TITLE OF INVENTION: High Throughput Methods of HLA Typing
; FILE REFERENCE: 020035-000210US
; CURRENT APPLICATION NUMBER: US/10/133,779
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US/09/747,391
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/172,768
; PRIOR FILING DATE: 1999-12-20
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 92
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-133-779-92

Query Match          1.0%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 690 GAGCCAGCGGCCCTCCT 707
Db 1 GAGCCAGCGGCCCTCCT 18

RESULT 295
US-10-424-211-14
; Sequence 14, Application US/10424211
; Publication No. US2003017593A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; APPLICANT: ISIS PHARMACEUTICALS, INC.
; TITLE OF INVENTION: ANTISENSE MODULATION OF NF-KAPPA-B P65 SUBUNIT EXPRESSION
; FILE REFERENCE: RTSP-0116
; CURRENT APPLICATION NUMBER: US/10/424,211
; CURRENT FILING DATE: 2003-04-25
; PRIOR APPLICATION NUMBER: US/09/856,747
; PRIOR FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: US 09/199,859
; PRIOR FILING DATE: 1998-11-25
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 14
```

```
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-424-211-14

Query Match          1.0%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1300 CCTGCCCCATGTAGCCA 1317
Db 1 CCTGCTCTGTGTAGCCA 18

RESULT 296
US-10-046-922-75
; Sequence 75, Application US/10046922
; Publication No. US20020164667A1
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; APPLICANT: Koivunen, Erkki
; APPLICANT: Kubo, Hajime
; TITLE OF INVENTION: VEGFR-3 INHIBITOR MATERIALS AND METHODS
; FILE REFERENCE: 28967/37084A
; CURRENT APPLICATION NUMBER: US/10/046,922
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 75
; LENGTH: 18
; TYPE: DNA
; ORGANISM: synthetic primer
US-10-046-922-75

Query Match          1.0%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 686 TTGGAGCCAGCGGCCCC 703
Db 1 TTGGGCCCCAGCGGCCCC 18

RESULT 297
US-10-077-023-38/c
; Sequence 38, Application US/10077023
; Publication No. US20030031675A1
; GENERAL INFORMATION:
; APPLICANT: MIKESSELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LU, PIN
; APPLICANT: ZHOU, XIA-DI
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
; FILE REFERENCE: 3053-4071US3
; CURRENT APPLICATION NUMBER: US/10/077,023
; CURRENT FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 60/272,107
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/209,811
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```



OTHER INFORMATION: Description of Artificial Sequence: Primer  
US-10-077-023-38

Query Match 1.0%; Score 13.2; DB 1; Length 18;  
Best Local Similarity 83.3%; Pred. No. 3.3e+02;  
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1014 CCTGATGCTGCGCAAG 1031  
Db 18 CCTGTGATGGTACAGAG 1

RESULT 298

US-10-181-603-10  
; Sequence 10, Application US/10181603  
; Publication No. US20030049662A1  
; GENERAL INFORMATION:  
; APPLICANT: Brett P. Monia  
; APPLICANT: Lex M. Cowser  
; TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD7 EXPRESSION  
; FILE REFERENCE: RTSP-0342  
; CURRENT APPLICATION NUMBER: US/10/181,603  
; CURRENT FILING DATE: 2002-07-17  
; PRIOR APPLICATION NUMBER: PCT/US01/01165  
; PRIOR FILING DATE: 2001-01-12  
; PRIOR APPLICATION NUMBER: 09/487,444  
; PRIOR FILING DATE: 2000-01-19  
; NUMBER OF SEQ ID NOS: 49  
; SEQ ID NO 10  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Antisense Oligonucleotide  
US-10-181-603-10

Query Match 1.0%; Score 13.2; DB 1; Length 18;  
Best Local Similarity 83.3%; Pred. No. 3.3e+02;  
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 583 CTCGGTCTGCCCCACC 600  
Db 1 CTCGGCTGCTGCCACC 18

RESULT 299

US-10-067-125-8  
; Sequence 8, Application US/10067125  
; Publication No. US2003005015A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowser, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/10/067,125  
; CURRENT FILING DATE: 2002-02-04  
; PRIOR APPLICATION NUMBER: 09/167,109  
; PRIOR FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 8  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-10-067-125-8

Query Match 1.0%; Score 13.2; DB 1; Length 18;  
Best Local Similarity 83.3%; Pred. No. 3.3e+02;  
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 471 GCAGGGGAGGACTGCCG 488  
Db 1 GCCGGGCGAGGACTGCTG 18

RESULT 300

US-10-188-404-33  
; Sequence 33, Application US/10188404  
; Publication No. US20030105286A1  
; GENERAL INFORMATION:  
; APPLICANT: Egholm, Michael  
; APPLICANT: Neilsen, Peter  
; APPLICANT: Buchardt, Ole  
; APPLICANT: Dueholm, Kim L.  
; APPLICANT: Christensen, Lief  
; APPLICANT: Coull, James M.  
; APPLICANT: Kiely, John  
; APPLICANT: Griffith, Michael  
; TITLE OF INVENTION: Linked Peptide Nucleic Acids  
; FILE REFERENCE: ISIS5042  
; CURRENT APPLICATION NUMBER: US/10/188,404  
; CURRENT FILING DATE: 2002-07-01  
; PRIOR APPLICATION NUMBER: 08/275,951  
; PRIOR FILING DATE: 1994-07-15  
; PRIOR APPLICATION NUMBER: 09/765,798  
; PRIOR FILING DATE: 1997-04-23  
; NUMBER OF SEQ ID NOS: 69  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 33  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic construct  
; NAME/KEY: misc feature  
; LOCATION: (9)-(10)  
; OTHER INFORMATION: Lysine, Amino Hexanoic Acid, Lysine,  
; OTHER INFORMATION: Amino Hexanoic Acid, Lysine Linkage  
US-10-188-404-33

Query Match 1.0%; Score 13.2; DB 1; Length 18;  
Best Local Similarity 83.3%; Pred. No. 3.3e+02;  
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1138 TATGCTTTTCTTTT 1155  
Db 1 TTTTCTTTTCTTTT 18

RESULT 301

US-09-152-059-116/c  
; Sequence 116, Application US/09152059  
; Patent No. US20020068708A1  
; GENERAL INFORMATION:  
; APPLICANT: WENGEL, JESPER  
; APPLICANT: NIELSEN, POUL  
; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES  
; FILE REFERENCE: 49165 (71994)  
; CURRENT APPLICATION NUMBER: US/09/152,059  
; CURRENT FILING DATE: 1998-09-11  
; PRIOR APPLICATION NUMBER: 60/058,541  
; PRIOR FILING DATE: 1997-09-12  
; PRIOR APPLICATION NUMBER: 60/068,293  
; PRIOR FILING DATE: 1997-12-19  
; PRIOR APPLICATION NUMBER: 60/071,682  
; PRIOR FILING DATE: 1998-01-16  
; PRIOR APPLICATION NUMBER: 60/076,591  
; PRIOR FILING DATE: 1998-03-03  
; PRIOR APPLICATION NUMBER: 60/083,507  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/088,309  
; PRIOR FILING DATE: 1998-06-05

```
; PRIOR APPLICATION NUMBER: 60/094,355
; PRIOR FILING DATE: 1998-07-28
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 116
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-09-152-059-116

Query Match
Best Local Similarity 100.0%; Score 13; DB 1; Length 14;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156
Db 14 TTTTTCCTTTT 2

RESULT 302
US-10-008-029-116/c
; Sequence 116, Application US/10008029
; Publication No. US20030134808A1
; GENERAL INFORMATION:
; APPLICANT: WENGEL, JESPER
; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES
; FILE REFERENCE: 49165-C2(71994)
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/058,541
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/068,293
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/068,293
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/071,682
; PRIOR FILING DATE: 1998-01-16
; PRIOR APPLICATION NUMBER: 60/076,591
; PRIOR FILING DATE: 1998-03-03
; PRIOR APPLICATION NUMBER: 60/083,507
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/088,309
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/094,355
; PRIOR FILING DATE: 1998-07-28
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 116
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-008-029-116

Query Match
Best Local Similarity 100.0%; Score 13; DB 1; Length 14;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156
Db 14 TTTTTCCTTTT 2

RESULT 303
US-10-208-650-116/c
; Sequence 116, Application US/10208650
; Publication No. US20030144231A1
; GENERAL INFORMATION:
; APPLICANT: WENGEL, JESPER
; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES
; FILE REFERENCE: 49165-C2(71994)
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/058,541
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/068,293
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/068,293
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/071,682
; PRIOR FILING DATE: 1998-01-16
; PRIOR APPLICATION NUMBER: 60/076,591
; PRIOR FILING DATE: 1998-03-03
; PRIOR APPLICATION NUMBER: 60/083,507
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/088,309
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/094,355
; PRIOR FILING DATE: 1998-07-28
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 116
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-008-029-116

Query Match
Best Local Similarity 100.0%; Score 13; DB 1; Length 14;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156
Db 14 TTTTTCCTTTT 2

RESULT 303
US-10-208-650-116/c
; Sequence 116, Application US/10208650
; Publication No. US20030144231A1
```

```
; GENERAL INFORMATION:
; APPLICANT: WENGEL, JESPER
; APPLICANT: NIELSEN, POUL
; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES
; FILE REFERENCE: 49165-C2(71994)
; CURRENT APPLICATION NUMBER: US/10/208,650
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US/10/008,029
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 09/152,059
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/058,541
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/068,293
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/071,682
; PRIOR FILING DATE: 1998-01-16
; PRIOR APPLICATION NUMBER: 60/076,591
; PRIOR FILING DATE: 1998-03-03
; PRIOR APPLICATION NUMBER: 60/083,507
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/088,309
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/094,355
; PRIOR FILING DATE: 1998-07-28
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 116
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-208-650-116

Query Match
Best Local Similarity 100.0%; Score 13; DB 1; Length 14;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156
Db 14 TTTTTCCTTTT 2

RESULT 304
US-09-805-296D-12
; Sequence 12, Application US/09805296D
; Patent No. US20020155989A1
; GENERAL INFORMATION:
; APPLICANT: Active Motif
; APPLICANT: Efimov, Vladimir
; APPLICANT: Fernandez, Joseph
; APPLICANT: Archdeacon, Dorothy
; APPLICANT: Archdeacon, John
; APPLICANT: Chakraborty, Oksana
; APPLICANT: Buryakova, Alla
; APPLICANT: Choob, Mikhail
; APPLICANT: Hondorp, Kyle
; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES, METHODS OF SYNTHESIS AND METHODS OF
; FILE REFERENCE: AM102.P.1US
; CURRENT APPLICATION NUMBER: US/09/805,296D
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: US 60/189,190
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/250,334
; PRIOR FILING DATE: 2000-11-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

FEATURE:  
OTHER INFORMATION: Synthetic Construct  
NAME/KEY: misc feature  
OTHER INFORMATION: Synthetic Sequence  
US-09-805-296D-12

Query Match 1.0%; Score 13; DB 1; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156  
| | | | |  
Db 1 TTTTTCCTTTT 13

## RESULT 305

US-10-051-436-12  
Sequence 12, Application US/10051436  
Publication No. US20030138045A1

## GENERAL INFORMATION:

APPLICANT: Active Motif  
APPLICANT: Efimov, Vladimir  
APPLICANT: Fernandez, Joseph  
APPLICANT: Archdeacon, Dorothy  
APPLICANT: Archdeacon, John  
APPLICANT: Chakmakicheau, Oksana  
APPLICANT: Buryakova, Alla  
APPLICANT: Choob, Mikhail  
APPLICANT: Hondorp, Kyle

TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES, METHODS OF SYNTHESIS AND METHODS OF USE

FILE REFERENCE: AM102.P.1.US  
CURRENT APPLICATION NUMBER: US/10/051.436  
CURRENT FILING DATE: 2002-01-18  
PRIOR APPLICATION NUMBER: US 60/189,190  
PRIOR FILING DATE: 2000-03-14  
PRIOR APPLICATION NUMBER: US 60/250,334  
PRIOR FILING DATE: 2000-11-30  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: PatentIn version 3.1

SEQ ID NO 12  
LENGTH: 15

TYPE: DNA

ORGANISM: Artificial Sequence

## FEATURE:

NAME/KEY: misc feature  
OTHER INFORMATION: Synthetic Sequence  
US-10-051-436-12

Query Match 1.0%; Score 13; DB 1; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156  
| | | | |  
Db 1 TTTTTCCTTTT 13

## RESULT 306

US-10-056-414-311  
Sequence 311, Application US/10056414  
Publication No. US20030003469A1

## GENERAL INFORMATION:

APPLICANT: Stinchcomb, Dan T.  
Draper, Kenneth G.  
McSwiggan, James

TITLE OF INVENTION: RIBOZYME TREATMENT OF  
DISEASES OR CONDITIONS  
RELATED TO LEVELS OF  
NF-KB

NUMBER OF SEQUENCES: 830  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street

Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: Word Perfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/056.414  
FILING DATE: 23-Jan-2002  
CLASSIFICATION: <UNKNOWN>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/291.932A  
FILING DATE: August 15, 1994  
APPLICATION NUMBER: 08/245,466  
FILING DATE: May 18, 1994  
APPLICATION NUMBER: 07/987,132  
FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 208/157

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 311:

SEQUENCE CHARACTERISTICS:  
LENGTH: 15 base pairs  
TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 311:

US-10-056-414-311

Query Match 1.0%; Score 13; DB 1; Length 15;  
Best Local Similarity 92.3%; Pred. No. 2.6e+02;  
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1066 CCCATCAGGCAGG 1078  
| | | | |  
Db 3 CCCAUCAGGCAGG 15

## RESULT 307

US-10-072-975-12

Sequence 12, Application US/10072975  
Publication No. US20030059789A1

## GENERAL INFORMATION:

APPLICANT: Active Motif  
APPLICANT: Efimov, Vladimir  
APPLICANT: Fernandez, Joseph  
APPLICANT: Archdeacon, Dorothy  
APPLICANT: Archdeacon, John  
APPLICANT: Chakmakicheau, Oksana  
APPLICANT: Buryakova, Alla  
APPLICANT: Choob, Mikhail  
APPLICANT: Hondorp, Kyle

TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES, METHODS OF SYNTHESIS AND METHODS OF USE

FILE REFERENCE: AM102.P.1.US  
CURRENT APPLICATION NUMBER: US/10/072,975  
CURRENT FILING DATE: 2002-02-09

PRIOR APPLICATION NUMBER: US 60/189,190

PRIOR FILING DATE: 2000-03-14

PRIOR APPLICATION NUMBER: US 60/250,334

PRIOR FILING DATE: 2000-11-30

PRIOR APPLICATION NUMBER: 09/805,296

PRIOR FILING DATE: 2001-03-13

PRIOR APPLICATION NUMBER: PCT/US01/0811

; PRIOR FILING DATE: 2001-03-13  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 15  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Construct  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Synthetic Sequence  
US-10-072-975-12

Query Match 1.0%; Score 13; DB 1; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTT 1156  
|||||  
DB 1 TTTTTCCTTTT 13

## RESULT 308

US-10-156-306-7861  
; Sequence 7861, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156.306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 7861  
; LENGTH: 15  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-7861

Query Match 1.0%; Score 13; DB 1; Length 15;  
Best Local Similarity 84.6%; Pred. No. 2.6e+02;  
Matches 11; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 879 CAAGTTCAGGAG 891  
|||||  
DB 3 CAAGUCCAGGAG 15

## RESULT 309

US-09-848-754A-4/c  
; Sequence 4, Application US/09848754A  
; Publication No. US20030073207A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors  
; FILE REFERENCE: MBH00-958-I (400/018)  
; CURRENT APPLICATION NUMBER: US/09/848,754A  
; CURRENT FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 9645  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-848-754A-4

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 200 CGGACGCCGACGA 212  
|||||  
DB 17 CGGACGCCGACGA 5

## RESULT 310

US-09-848-754A-2130/c  
; Sequence 2130, Application US/09848754A  
; Publication No. US20030073207A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors  
; FILE REFERENCE: MBH00-958-I (400/018)  
; CURRENT APPLICATION NUMBER: US/09/848,754A  
; CURRENT FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 9645  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2130  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-848-754A-2130

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 200 CGGACGCCGACGA 212  
|||||  
DB 15 CGGACGCCGACGA 3

## RESULT 311

US-09-848-754A-2131/c  
; Sequence 2131, Application US/09848754A  
; Publication No. US20030073207A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors  
; FILE REFERENCE: MBH00-958-I (400/018)  
; CURRENT APPLICATION NUMBER: US/09/848,754A  
; CURRENT FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 9645  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2131  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-848-754A-2131

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 200 CGGACGCCGACGA 212  
|||||  
DB 13 CGGACGCCGACGA 1

## RESULT 312

US-09-848-754A-3077/c  
; Sequence 3077, Application US/09848754A  
; Publication No. US20030073207A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors  
; FILE REFERENCE: MBH00-958-I (400/018)  
; CURRENT APPLICATION NUMBER: US/09/848,754A  
; CURRENT FILING DATE: 2001-05-03

; NUMBER OF SEQ ID NOS: 9645  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3077  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-848-754A-3077

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 200 CGGACGCCGACGA 212  
Db 16 CGGACGCCGACGA 4  
|||||

## RESULT 313

US-10-352-762-29  
; Sequence 29, Application US/10352762  
; Publication No. US20030153739A1  
; GENERAL INFORMATION:  
; APPLICANT: Schuchman, Edward H.  
; Desnick, Robert J.

; TITLE OF INVENTION: The Acid Sphingomyelinase Gene and  
; Diagnosis of Niemann-Pick Disease  
; NUMBER OF SEQUENCES: 36  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/352,762  
; FILING DATE: 28-Jan-2003  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/106,375  
; FILING DATE: 28-Jun-1998  
; APPLICATION NUMBER: US 07/695,472  
; FILING DATE: 03-MAY-1991

ATTORNEY/AGENT INFORMATION:  
NAME: Mirock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 6923-014  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 790864/9741  
TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA  
SEQUENCE DESCRIPTION: SEQ ID NO: 29:  
US-10-352-762-29

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 631 CTCAGGAGCTCT 643  
Db 5 CTCAGGAGCTCT 17  
|||||

## RESULT 314

US-10-340-192-81  
; Sequence 81, Application US/10340192  
; Publication No. US20030170700A1  
; GENERAL INFORMATION:  
; APPLICANT: Lynx Therapeutics, Inc.  
; APPLICANT: Shang, Jin

; TITLE OF INVENTION: SECRETED AND CELL SURFACE POLYPEPTIDES AFFECTED BY CHOLESTEROL  
; FILE REFERENCE: 37-000610US  
; CURRENT APPLICATION NUMBER: US/10/340,192  
; CURRENT FILING DATE: 2003-01-08  
; NUMBER OF SEQ ID NOS: 88  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 81  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-340-192-81

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1330 GATCTGTGTTTC 1342  
Db 1 GATCTGTGTTTC 13  
|||||

## RESULT 315

US-10-060-756A-381  
; Sequence 381, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian

; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/327,898  
; PRIOR FILING DATE: 2001-10-09  
; NUMBER OF SEQ ID NOS: 4804  
; SOFTWARE: Acomica Sequence Listing Engine  
; SEQ ID NO 381  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-756A-381

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 522 CCTGCCGAGGAG 534  
Db 5 CCTGCCGAGGAG 17  
|||||

RESULT 316  
US-10-060-756A-382  
; Sequence 382, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/327,898  
; PRIOR FILING DATE: 2001-10-09  
; NUMBER OF SEQ ID NOS: 4804  
; SOFTWARE: Acomica Sequence Listing Engine  
; SEQ ID NO 382  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-756A-382

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 522 CCTGCCGGAGGAG 534  
Db 4 CCTGCCGGAGGAG 16

RESULT 317  
US-10-156-306-4405  
; Sequence 4405, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4405  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-4405

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 84.6%; Pred. No. 3.2e+02;  
Matches 11; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 879 CAAAGTTCAGGAG 891  
Db 4 CAAAGTTCAGGAG 16

RESULT 318  
US-10-156-306-4406  
; Sequence 4406, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4406  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-4406

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 84.6%; Pred. No. 3.2e+02;  
Matches 11; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 879 CAAAGTTCAGGAG 891  
Db 3 CAAAGTTCAGGAG 15

RESULT 319  
US-10-156-306-4864  
; Sequence 4864, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4864  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-4864

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 84.6%; Pred. No. 3.2e+02;  
Matches 11; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 879 CAAAGTTCAGGAG 891  
Db 2 CAAAGTTCAGGAG 14

RESULT 320  
US-10-156-306-4865  
; Sequence 4865, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 4865  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-4865

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 84.6%; Pred. No. 3.2e+02;  
Matches 11; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 879 CAAGTCCAGGAG 891  
||||:|||||  
Db 1 CAGGUCCAGGAG 13

## RESULT 321

US-10-156-306-4969  
; Sequence 4969, Application US/10156306  
; Publication No. US20030119017A1

; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: McSwiggen, James

; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to

; FILE REFERENCE: MBH01-664-A (400/050)

; CURRENT APPLICATION NUMBER: US/10/156,306

; CURRENT FILING DATE: 2002-05-28

; NUMBER OF SEQ ID NOS: 8013

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 4969

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-156-306-4969

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 92.3%; Pred. No. 3.2e+02;  
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 570 GCTCCAGCAGGCC 582  
||:|||||  
Db 1 GCUCCAGCAGGCC 13

## RESULT 322

US-10-156-306-5103/c  
; Sequence 5103, Application US/10156306  
; Publication No. US20030119017A1

; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: McSwiggen, James

; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to

; FILE REFERENCE: MBH01-664-A (400/050)

; CURRENT APPLICATION NUMBER: US/10/156,306

; CURRENT FILING DATE: 2002-05-28

; NUMBER OF SEQ ID NOS: 8013

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 5103

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-156-306-5103

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 950 AGCGCAGCTGCA 962  
||||:|||||  
Db 14 AGCGCAGCTGCA 2

## RESULT 323

US-10-156-306-5970/c  
; Sequence 5970, Application US/10156306  
; Publication No. US20030119017A1

; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: McSwiggen, James

; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to

; FILE REFERENCE: MBH01-664-A (400/050)

; CURRENT APPLICATION NUMBER: US/10/156,306

; CURRENT FILING DATE: 2002-05-28

; NUMBER OF SEQ ID NOS: 8013

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 5970

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-156-306-5970

Query Match 1.0%; Score 13; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 950 AGCGCAGCTGCA 962  
||||:|||||  
Db 13 AGCGCAGCTGCA 1

## RESULT 324

US-09-891-517-73

; Sequence 73, Application US/09891517

; Patent No. US20020106653A1

; GENERAL INFORMATION:

; APPLICANT: KURANE, RYUICHIRO

; APPLICANT: KANAGAWA, TAKAHIRO

; APPLICANT: KAMAGATA, YOICHI

; APPLICANT: TORIMURA, MASAKI

; APPLICANT: KURATA, SHINYA

; APPLICANT: YAMADA, KAZUTAKA

; APPLICANT: YOKOMAKU, TOYOKAZU

; TITLE OF INVENTION: NOVEL NUCLEIC ACID PROBES, METHOD FOR DETERMINING CONCENTRATIONS OF

; FILE REFERENCE: 210352US-1994-163-0-X

; CURRENT APPLICATION NUMBER: US/09/891,517

; PRIOR FILING DATE: 2001-06-27

; PRIOR APPLICATION NUMBER: JP2000-193133

; PRIOR FILING DATE: 2000-06-27

; PRIOR APPLICATION NUMBER: JP2000-236115

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: JP2000-292483

; PRIOR FILING DATE: 2000-09-26

; NUMBER OF SEQ ID NOS: 108

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 73

; LENGTH: 16

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic DNA

US-09-891-517-73

Query Match 0.9%; Score 12.8; DB 1; Length 16;  
Best Local Similarity 87.5%; Pred. No. 3.2e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1214 CCTTCCCTGTACATTT 1229  
||||:|||||  
Db 1 CCTTCCCTGTTCGTTT 16

## RESULT 325

```

RESULT 328
US-10-214-793-6
; Sequence 6, Application US/10214793
; Publication No. US20030095979A1
; GENERAL INFORMATION:
; APPLICANT: Ohnani, No. US20030095979A1iko
; APPLICANT: Matsui, Keiko
; APPLICANT: Yoshida, Nei
; TITLE OF INVENTION: Method of Testing for
; FILE REFERENCE: SHIMIZU-07345

```



/ CURRENT APPLICATION NUMBER: US/10/214,793  
/ CURRENT FILING DATE: 2002-08-07  
/ NUMBER OF SEQ ID NOS: 13  
/ SOFTWARE: PatentIn version 3.1  
/ SEQ ID NO 6  
/ LENGTH: 16  
/ TYPE: DNA  
/ ORGANISM: Artificial Sequence  
/ FEATURE:  
/ OTHER INFORMATION: Synthetic  
US-10-214-793-6

Query Match 0.9%; Score 12.8; DB 1; Length 16;  
Best Local Similarity 87.5%; Pred. No. 3.2e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 828 GCAGCTGAAGCTTCA 843  
Db 1 GCAGCTGACGCTTCCA 16  
|||||

## RESULT 329

US-09-866-108-1782/c  
/ Sequence 1782 Application US/09866108  
/ Patent No. US20020048800A1  
/ GENERAL INFORMATION:  
/ APPLICANT: GU, Yizhong  
/ APPLICANT: JI, Yonggang  
/ APPLICANT: PENN, Sharron G.  
/ APPLICANT: HANZEL, David K.  
/ APPLICANT: RANK, David R.  
/ APPLICANT: CHEN, Wensheng  
/ APPLICANT: SHANNON, Mark  
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
/ FILE REFERENCE: AEOMICA-7  
/ CURRENT APPLICATION NUMBER: US/09/866,108  
/ CURRENT FILING DATE: 2001-05-25  
/ PRIOR APPLICATION NUMBER: US 60/207,456  
/ PRIOR FILING DATE: 2000-05-26  
/ PRIOR APPLICATION NUMBER: GB 24263.6  
/ PRIOR FILING DATE: 2000-10-04  
/ PRIOR APPLICATION NUMBER: US 60/236,359  
/ PRIOR FILING DATE: 2000-09-27  
/ PRIOR APPLICATION NUMBER: PCT/US01/00666  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00667  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00664  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00669  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00665  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00668  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00663  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00662  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00661  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00670  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: US 60/234,687  
/ PRIOR FILING DATE: 2000-09-21  
/ PRIOR APPLICATION NUMBER: US 60/266,860  
/ PRIOR FILING DATE: 2001-02-05  
/ NUMBER OF SEQ ID NOS: 15752  
/ SOFTWARE: Aecomica Sequence Listing Engine  
/ SEQ ID NO 1782  
/ LENGTH: 17  
/ TYPE: DNA  
/ ORGANISM: Homo sapiens

US-09-866-108-1782

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 547 CTGCTGGCAGGCATGC 562  
Db 17 CTGCTGGCAGGCTGTC 2  
|||||

## RESULT 330

US-09-866-108-1784/c  
/ Sequence 1784 Application US/09866108  
/ Patent No. US20020048800A1  
/ GENERAL INFORMATION:  
/ APPLICANT: GU, Yizhong  
/ APPLICANT: JI, Yonggang  
/ APPLICANT: PENN, Sharron G.  
/ APPLICANT: HANZEL, David K.  
/ APPLICANT: RANK, David R.  
/ APPLICANT: CHEN, Wensheng  
/ APPLICANT: SHANNON, Mark  
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
/ FILE REFERENCE: AEOMICA-7  
/ CURRENT APPLICATION NUMBER: US/09/866,108  
/ CURRENT FILING DATE: 2001-05-25  
/ PRIOR APPLICATION NUMBER: US 60/207,456  
/ PRIOR FILING DATE: 2000-05-26  
/ PRIOR APPLICATION NUMBER: GB 24263.6  
/ PRIOR FILING DATE: 2000-10-04  
/ PRIOR APPLICATION NUMBER: US 60/236,359  
/ PRIOR FILING DATE: 2000-09-27  
/ PRIOR APPLICATION NUMBER: PCT/US01/00666  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00667  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00664  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00669  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00665  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00668  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00663  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00662  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00661  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00670  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: US 60/234,687  
/ PRIOR FILING DATE: 2000-09-21  
/ PRIOR APPLICATION NUMBER: US 60/266,860  
/ PRIOR FILING DATE: 2001-02-05  
/ NUMBER OF SEQ ID NOS: 15752  
/ SOFTWARE: Aecomica Sequence Listing Engine  
/ SEQ ID NO 1784  
/ LENGTH: 17  
/ TYPE: DNA  
/ ORGANISM: Homo sapiens  
US-09-866-108-1784

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 546 CCTGCTGGCAGGCATG 561  
Db 16 CCTGCTGGCAGGCTGTG 1  
|||||

## RESULT 331

US-09-866-108-1889  
; Sequence 1889, Application US/09866108  
; Patent No. US2002004800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AECOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 1889  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-1889

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 660 GGTCGGGACTTGGCC 675  
Db 2 GGTCGAGGACCTGGCC 17  
||||| ||||| |||||

## RESULT 332

US-09-866-108-1890  
; Sequence 1890, Application US/09866108  
; Patent No. US2002004800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AECOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6

; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AECOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 1890  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-1890

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 660 GGTCGGGACTTGGCC 675  
Db 1 GGTCGAGGACCTGGCC 16  
||||| ||||| |||||

## RESULT 333

US-09-866-108-6156  
; Sequence 6156, Application US/09866108  
; Patent No. US2002004800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AECOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6

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; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 6156
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-866-108-6156

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Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 255 CGACCTCTGGGCTGG 270
Db 2 CGACCTCACGGGCTGG 17

```

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RESULT 334
US-09-866-108-6159
; Sequence 6159, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669

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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 6159
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-866-108-6159

```

```

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 257 ACCTCTGGGCTGGCT 272
Db 1 ACCTCACGGGCTGGCT 16

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RESULT 335
US-09-866-108-6266
; Sequence 6266, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661

```

QY 775 GTAGCAATCTCCACCA 790





; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 9580  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-9580

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1041 CTCCTCCACACACG 1056  
Db 16 CTTTCCCTCGACG 1

RESULT 343  
US-09-866-108-10227  
; Sequence 10227, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 9580  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-9580

; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 10227  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-10227

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 253 ACCGACCTCTGGCT 268  
Db 2 ACCTACCTCTGGCT 17

RESULT 344  
US-09-866-108-10230  
; Sequence 10230, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
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; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 10230  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-10230

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;





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; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 10727
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10727
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Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 636 GGAGCTCTGCATCCCC 651
Db 17 GGAGCCCGAGCATCCCC 2
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RESULT 348
US-09-866-108-10728/c
; Sequence 10728, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 10728
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10728
```

```
Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 636 GGAGCTCTGCATCCCC 651
Db 16 GGAGCCCGAGCATCCCC 1
```

```
RESULT 349
US-09-866-108-10729/c
; Sequence 10729, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
```

```

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 10729
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10729

```

```

Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy 368 TGGGGGCCAGCTTCC 383
      ||||| ||||| |||||
Db 17 TGGGAGCCCGCATCC 2

```

```

RESULT 350
US-09-866-108-10730/c
; Sequence 10730, Application US/09866108
; Patent No. US2002048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687

```

```

; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 10730
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10730

```

```

Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy 368 TGGGGGCCAGCTTCC 383
      ||||| ||||| |||||
Db 16 TGGGAGCCCGCATCC 1

```

```

RESULT 351
US-09-730-857-79
; Sequence 79, Application US/09730857
; Patent No. US20020082396A1
; GENERAL INFORMATION:
; APPLICANT: Matsushima, Kouji
; APPLICANT: Matsumoto, Yoshihiro
; APPLICANT: Yamada, Yoshiki
; APPLICANT: Sato, Koh
; APPLICANT: Tsuchiya, Masayuki
; APPLICANT: Yamazaki, Tatsumi
; TITLE OF INVENTION: Reshaped Human Antibody to
; INTERLEUKIN-8
; NUMBER OF SEQUENCES: 105
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW, suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/730,857
; FILING DATE: 07-Dec-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/416,557
; FILING DATE: 1999-10-12
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 35029-20001.10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-887-1500
; TELEFAX: 202-822-0168
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Other
; LOCATION: 1...17
; OTHER INFORMATION: HIP sequence
; SEQUENCE DESCRIPTION: SEQ ID NO: 79:
US-09-730-857-79

```

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 870 CCCACAGCCCAAGTTC 885  
|||||  
Db 2 CCCCAAGCCCAAGTTC 17

## RESULT 352

US-09-864-785-83  
; Sequence 83, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: 400/022 (MBH00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 83  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-83

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 81.2%; Pred. No. 3.5e+02;  
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 479 AGGACTGCCGAGACGG 494  
|||||  
Db 1 AGGACUGCCGGGAGG 16

## RESULT 353

US-09-864-785-145  
; Sequence 145, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: 400/022 (MBH00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 145  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-145

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 75.0%; Pred. No. 3.5e+02;  
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 581 CCTCTCGTGTGCCCC 596  
|||||

Db 1 CCCUCCGCGUGCCGCC 16

## RESULT 354

US-09-864-785-404/c  
; Sequence 404, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: 400/022 (MBH00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 404  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-404

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 570 GCTCCAGCAGGCCCTC 585  
|||||  
Db 17 GCTCAGCAGGCCCTC 2

## RESULT 355

US-09-864-785-406  
; Sequence 406, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: 400/022 (MBH00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 406  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-406

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 68.8%; Pred. No. 3.5e+02;  
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 822 CCTGATGCAGCTGAAG 837  
|||||  
Db 1 CCUGCUGCAGCUGCAG 16

## RESULT 356

US-09-864-785-472/c  
; Sequence 472, Application US/09864785  
; Patent No. US20020177568A1

```
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Levels of NF-Kappa B
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 472
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-472

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 528 GGAGGAGGAGCTGGGT 543
DB 17 GGAGGAGGAGCTGGGT 2

RESULT 357
US-09-864-785-633/c
; Sequence 633, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Levels of NF-Kappa B
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 633
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-633

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 335 CTGGTGATAGTCACAG 350
DB 17 CTGGTGATAGTCACAG 2

RESULT 358
US-09-864-785-677/c
; Sequence 677, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Levels of NF-Kappa B
```

```
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 677
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-677

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 937 GAGAAGAGGTGTGAGC 952
DB 17 GAGAAGAGGTGTGAGC 2

RESULT 359
US-09-864-785-678/c
; Sequence 678, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Levels of NF-Kappa B
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 678
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-678

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 937 GAGAAGAGGTGTGAGC 952
DB 16 GAGAAGAGGTGTGAGC 1

RESULT 360
US-09-864-785-1589/c
; Sequence 1589, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Levels of NF-Kappa B
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1589
; LENGTH: 17
```

```
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-1589

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 570 GTCACGAGCGGCTC 585
Db 16 GCTGACGAGCGGCTC 1

RESULT 361
US-09-864-785-2739
; Sequence 2739, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: 400/022 (MEHB00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 329
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2739
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-2739

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1069 ATCAGGAGGCTCTTC 1084
Db 1 AUCAGGAGGCCCCCUC 16

RESULT 362
US-09-825-805-387
; Sequence 387, Application US/09825805
; Publication No. US20030004122A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
; FILE REFERENCE: MEHB00-831-F (400/009)
; CURRENT APPLICATION NUMBER: US/09/825,805
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: 09/578,223
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 09/476,387
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
```

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; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; PRIOR FILING DATE: 1997-11-05
; NUMBER OF SEQ ID NOS: 1558
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 387
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-825-805-387

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.5e+02;
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 589 CTCGCCCCACCAGCC 604
Db 2 CUGCCCCGCUCCAGCC 17

RESULT 363
US-09-961-077-75
; Sequence 75, Application US/09961077
; Publication No. US20030014775A1
; GENERAL INFORMATION:
; APPLICANT: Zwick, Michael G.
; APPLICANT: Edgington, Brent E.
; APPLICANT: McSwiggen, James A.
; APPLICANT: Merlo, Patricia Ann Owens
; APPLICANT: Guo, Lining
; APPLICANT: Skokut, Thomas A.
; APPLICANT: Young, Scott A.
; APPLICANT: Folkerts, Otto
; APPLICANT: Merlo, Donald J.
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR
; MODULATION OF GENE EXPRESSION
; IN PLANTS
; NUMBER OF SEQUENCES: 1283
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; SUITE: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/961,077
; FILING DATE: 21-Sep-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/679,645
; FILING DATE: July 12, 1996
; APPLICATION NUMBER: 60/001,135
; FILING DATE: July 13, 1995
; APPLICATION NUMBER: 08/300,726
; FILING DATE: September 2, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 219/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
```

INFORMATION FOR SEQ ID NO: 75:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 75:  
US-09-961-077-75

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 68.8%; Pred. No. 3.5e+02;  
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 891 GCTGGGTACAGCGTG 906  
Db 1 GCUGCGGUUACGCCUG 16

## RESULT 364

US-09-961-077-886  
Sequence 886, Application US/09961077  
Publication No. US20030014775A1

## GENERAL INFORMATION:

APPLICANT: Zwick, Michael G.  
Edington, Brent E.  
McSwiggen, James A.  
Merlo, Patricia Ann Owens  
Guo, Lining  
Skokut, Thomas A.  
Young, Scott A.  
Folkerts, Otto  
Merlo, Donald J.

TITLE OF INVENTION: COMPOSITION AND METHODS FOR  
MODULATION OF GENE EXPRESSION  
IN PLANTS

NUMBER OF SEQUENCES: 1263  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: Word Perfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/961,077  
FILING DATE: 21-Sep-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/679,645  
FILING DATE: July 12, 1996  
APPLICATION NUMBER: 60/001,135  
FILING DATE: July 13, 1995  
APPLICATION NUMBER: 08/300,726  
FILING DATE: September 2, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 219/247  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 886:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 base pairs  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 886:  
US-09-961-077-886

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 31.2%; Pred. No. 3.5e+02;  
Matches 5; Conservative 9; Mismatches 2; Indels 0; Gaps 0;

Qy 1103 ATTATGTAGTTTCTG 1118  
Db 2 AUUUGUAUUUUUCUG 17

## RESULT 365

US-09-269-921-72  
Sequence 72, Application US/09269921  
Publication No. US20030045691A1

## GENERAL INFORMATION:

APPLICANT: Ono, Koichiro  
APPLICANT: Ohtomo, Toshihiko  
APPLICANT: Tsuchiya, Masayuki  
APPLICANT: Yoshimura, Yasushi  
APPLICANT: Koishihara, Yasuo  
TITLE OF INVENTION: RESHAPED HUMAN ANTI-HM 1.24 ANTIBODY  
FILE REFERENCE: 35029-20007.00  
CURRENT APPLICATION NUMBER: US/09/269,921  
CURRENT FILING DATE: 1999-04-01  
EARLIER APPLICATION NUMBER: PCT/JP97/03553  
EARLIER FILING DATE: 1997-10-03  
EARLIER APPLICATION NUMBER: JP 8-264756  
EARLIER FILING DATE: 1996-10-04  
NUMBER OF SEQ ID NOS: 137  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 72  
LENGTH: 17  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: primer  
US-09-269-921-72

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 870 CCCACAGCCCAAGTTC 885  
Db 2 CCCCAAGCCCAAGGTC 17

## RESULT 366

US-09-730-289B-124/c  
Sequence 124, Application US/09730289B  
Publication No. US20030050259A1

## GENERAL INFORMATION:

APPLICANT: Ribozyne Pharmaceuticals, Inc.  
APPLICANT: Blatt, Larry  
APPLICANT: McSwiggen, Jim  
TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease  
FILE REFERENCE: MBH00-864-A (400/006)  
CURRENT APPLICATION NUMBER: US/09/730,289B  
CURRENT FILING DATE: 2000-12-05  
PRIOR APPLICATION NUMBER: US 60/169,100  
PRIOR FILING DATE: 1999-12-06  
NUMBER OF SEQ ID NOS: 3897  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 124  
LENGTH: 17  
TYPE: RNA  
ORGANISM: Homo sapiens

US-09-730-289B-124

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1152 TTTTGGAGTAAGC 1167  
DB 17 TTTTGAATAAAGC 2

## RESULT 367

US-09-730-289B-125/c  
; Sequence 125, Application US/09730289B  
; Publication No. US20030050259A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease  
; FILE REFERENCE: MEH00-864-A (400/006)  
; CURRENT APPLICATION NUMBER: US/09/730,289B  
; CURRENT FILING DATE: 2000-12-05  
; PRIOR APPLICATION NUMBER: US 60/169,100  
; PRIOR FILING DATE: 1999-12-06  
; NUMBER OF SEQ ID NOS: 3897  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 125  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-730-289B-125

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1152 TTTTGGAGTAAGC 1167  
DB 16 TTTTGAATAAAGC 1

## RESULT 368

US-09-730-289B-1043  
; Sequence 1043, Application US/09730289B  
; Publication No. US20030050259A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease  
; FILE REFERENCE: MEH00-864-A (400/006)  
; CURRENT APPLICATION NUMBER: US/09/730,289B  
; CURRENT FILING DATE: 2000-12-05  
; PRIOR APPLICATION NUMBER: US 60/169,100  
; PRIOR FILING DATE: 1999-12-06  
; NUMBER OF SEQ ID NOS: 3897  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1043  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-730-289B-1043

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 62.5%; Pred. No. 3.5e+02;  
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 37 TAGCGAAATCTTAGC 52  
DB 1 UCCGCAAAAUUUAAC 16

## RESULT 369

US-09-818-875-3842/c

; Sequence 3842, Application US/09818875  
; Publication No. US20030051270A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; TITLE OF INVENTION: Stranded Oligonucleotides  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/09/818,875  
; CURRENT FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 3842  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-818-875-3842

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 974 TCACCTGACCAGTCCC 989  
DB 17 TCATCTGACCAGTCCC 2

## RESULT 370

US-09-818-875-3843  
; Sequence 3843, Application US/09818875  
; Publication No. US20030051270A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; TITLE OF INVENTION: Stranded Oligonucleotides  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/09/818,875  
; CURRENT FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 3843  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-818-875-3843

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 974 TCACCTGACCAGTCCC 989  
DB 1 TCATCTGACCAGTCCC 16

## RESULT 371

US-09-818-875-4094  
; Sequence 4094, Application US/09818875  
; Publication No. US20030051270A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/09/818,875  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 4094  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-818-875-4094

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1235 TGGTCTGGACGTGC 1250

Db 1 TGGTGTGGTCTGGTGC 16

## RESULT 372

US-09-818-875-4095/c  
; Sequence 4095, Application US/09818875  
; Publication No. US20030051270A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/09/818,875  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 4095  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-818-875-4095

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1235 TGGTCTGGACGTGC 1250

Db 17 TGGTGTGGTCTGGTGC 2

## RESULT 373

US-09-877-478-686/c  
; Sequence 686, Application US/09877478  
; Publication No. US20030068301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Draper, Kenneth  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Morrissey, Dave  
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replicatio  
; FILE REFERENCE: MEH800-845-H (400/029)  
; CURRENT APPLICATION NUMBER: US/09/877,478  
; CURRENT FILING DATE: 2001-12-31  
; PRIOR APPLICATION NUMBER: US 07/882,712  
; PRIOR FILING DATE: 1992-05-14  
; PRIOR APPLICATION NUMBER: US 09/531,025  
; PRIOR FILING DATE: 2000-03-20  
; PRIOR APPLICATION NUMBER: US 09/636,385  
; PRIOR FILING DATE: 2000-08-09  
; PRIOR APPLICATION NUMBER: US 09/696,347  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 08/193,627  
; PRIOR FILING DATE: 1994-02-07  
; PRIOR APPLICATION NUMBER: US 08/433,993  
; PRIOR FILING DATE: 1995-05-04  
; PRIOR APPLICATION NUMBER: US 08/434,504  
; PRIOR FILING DATE: 1995-05-04  
; PRIOR APPLICATION NUMBER: US 09/436,430  
; PRIOR FILING DATE: 1999-11-08  
; NUMBER OF SEQ ID NOS: 6586  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 686  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Hepatitis B virus  
US-09-877-478-686

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 525 GCGGAGGAGCAGCTG 540

Db 16 GCAGGAGGAGGAGCTG 1

## RESULT 374

US-09-877-478-1414/c  
; Sequence 1414, Application US/09877478  
; Publication No. US20030068301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Draper, Kenneth  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Morrissey, Dave  
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replicatio  
; FILE REFERENCE: MEH800-845-H (400/029)  
; CURRENT APPLICATION NUMBER: US/09/877,478  
; CURRENT FILING DATE: 2001-12-31  
; PRIOR APPLICATION NUMBER: US 07/882,712  
; PRIOR FILING DATE: 1992-05-14  
; PRIOR APPLICATION NUMBER: US 09/531,025  
; PRIOR FILING DATE: 2000-03-20  
; PRIOR APPLICATION NUMBER: US 09/636,385  
; PRIOR FILING DATE: 2000-08-09  
; PRIOR APPLICATION NUMBER: US 09/696,347  
; PRIOR FILING DATE: 2000-10-24



RESULT 376

```

US-09-848-754A-882/c
; Sequence 882, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 882
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-882

```

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 628 CAGCTCCAGGAGCTCT 643  
 Db 16 CAGCGCCAGGAGCGCT 1

RESULT 379  
 US-09-848-754A-1570  
 ; Sequence 1570, Application US/09848754A  
 ; Publication No. US20030073207A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors  
 ; FILE REFERENCE: MBH00-958-I (400/018)  
 ; CURRENT APPLICATION NUMBER: US/09/848,754A  
 ; CURRENT FILING DATE: 2001-05-03  
 ; NUMBER OF SEQ ID NOS: 9645  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 1570  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-09-848-754A-1570

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 75.0%; Pred. No. 3.5e+02;  
 Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 571 CTCGACGAGGCGCTCC 586  
 Db 2 CUUCAGCAGCCCUCC 17

RESULT 380  
 US-09-848-754A-1971/c  
 ; Sequence 1971, Application US/09848754A  
 ; Publication No. US20030073207A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors  
 ; FILE REFERENCE: MBH00-958-I (400/018)  
 ; CURRENT APPLICATION NUMBER: US/09/848,754A  
 ; CURRENT FILING DATE: 2001-05-03  
 ; NUMBER OF SEQ ID NOS: 9645  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 1971  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-09-848-754A-1971

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 916 CTAAGGAGGAGGCGAG 931  
 Db 16 CTAAGGAGGAGATTTCAG 1

RESULT 381  
 US-09-848-754A-2520  
 ; Sequence 2520, Application US/09848754A  
 ; Publication No. US20030073207A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors

; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors  
 ; FILE REFERENCE: MBH00-958-I (400/018)  
 ; CURRENT APPLICATION NUMBER: US/09/848,754A  
 ; CURRENT FILING DATE: 2001-05-03  
 ; NUMBER OF SEQ ID NOS: 9645  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 2520  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-09-848-754A-2520

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 75.0%; Pred. No. 3.5e+02;  
 Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 571 CTCGACGAGGCGCTCC 586  
 Db 1 CUUCAGCAGCCCUCC 16

RESULT 382  
 US-09-930-423-17  
 ; Sequence 17, Application US/09930423  
 ; Publication No. US20030092003A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Blatt, Larry  
 ; APPLICANT: McSwiggen, Jim  
 ; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
 ; FILE REFERENCE: MBH00,918-A 400/027  
 ; CURRENT APPLICATION NUMBER: US/09/930,423  
 ; CURRENT FILING DATE: 2001-08-15  
 ; NUMBER OF SEQ ID NOS: 4553  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 17  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo Sapiens  
 US-09-930-423-17

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 68.8%; Pred. No. 3.5e+02;  
 Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 814 CCGAGCGTCTGTGATGC 829  
 Db 1 CCUGCGCGCCUGAUGC 16

RESULT 383  
 US-09-930-423-573/c  
 ; Sequence 573, Application US/09930423  
 ; Publication No. US20030092003A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Blatt, Larry  
 ; APPLICANT: McSwiggen, Jim  
 ; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
 ; FILE REFERENCE: MBH00,918-A 400/027  
 ; CURRENT APPLICATION NUMBER: US/09/930,423  
 ; CURRENT FILING DATE: 2001-08-15  
 ; NUMBER OF SEQ ID NOS: 4553  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 573  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo Sapiens  
 US-09-930-423-573

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 386 CAGAGGTGGCAGCAAT 401  
Db 16 CAGTATGGCAGCAAT 1

RESULT 384  
US-09-930-423-696  
; Sequence 696, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: MEHB00,918-A 400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 696  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-696

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 75.0%; Pred. No. 3.5e+02;  
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 548 TGCTGGCAGGCATGCA 563  
Db 2 UGCTGGCAAGCAGGCA 17

RESULT 385  
US-09-930-423-1031/c  
; Sequence 1031, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: MEHB00,918-A 400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1031  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-696

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 75.0%; Pred. No. 3.5e+02;  
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 548 TGCTGGCAGGCATGCA 563  
Db 2 UGCTGGCAAGCAGGCA 17

RESULT 385  
US-09-930-423-1031/c  
; Sequence 1031, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: MEHB00,918-A 400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1031  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-1031

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 387 AGAGTGGCAGCAATG 402  
Db 17 AGTATGGCAGCAATG 2

RESULT 386  
US-09-930-423-1277  
; Sequence 1277, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 387 AGAGTGGCAGCAATG 402  
Db 17 AGTATGGCAGCAATG 2

RESULT 386  
US-09-930-423-1277  
; Sequence 1277, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease

; FILE REFERENCE: MEHB00,918-A 400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1277  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-1277

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 81.2%; Pred. No. 3.5e+02;  
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 549 GCTGGCAGGCATGCAC 564  
Db 1 GCUGGCAAGCAGGCAC 16

RESULT 387  
US-09-930-423-1544  
; Sequence 1544, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: MEHB00,918-A 400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1544  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-1544

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 522 CCGCGCGAGGAGCAG 537  
Db 2 CCGCGCGAGGAGCAG 17

RESULT 388  
US-09-930-423-1590/c  
; Sequence 1590, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: MEHB00,918-A 400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1590  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-1544

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 522 CCGCGCGAGGAGCAG 537  
Db 2 CCGCGCGAGGAGCAG 17

RESULT 388  
US-09-930-423-1590/c  
; Sequence 1590, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: MEHB00,918-A 400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1590  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-1590

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 522 CCGCGCGAGGAGCAG 537  
Db 2 CCGCGCGAGGAGCAG 17

RESULT 388  
US-09-930-423-1590/c  
; Sequence 1590, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: MEHB00,918-A 400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1590  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-1590

QY 1205 CACACCTCCCTCC 1220  
Db 17 CCCAGCTCCCTCC 2

## RESULT 389

US-09-930-423-1591/c  
; Sequence 1591, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: MEH00.918-A.400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1591  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-930-423-1591.

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1205 CACACCTCCCTCC 1220  
Db 16 CCCAGCTCCCTCC 1

## RESULT 390

US-09-780-164-454/c  
; Sequence 454, Application US/09780164  
; Publication No. US20030092646A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20  
; FILE REFERENCE: 400/010  
; CURRENT APPLICATION NUMBER: US/09/780,164  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 2603  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 454  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-780-164-454

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 385 CCAGAGGTGGCAGCAA 400  
Db 17 CCAGAAATGGCAGCAA 2

## RESULT 391

US-09-780-164-926/c  
; Sequence 926, Application US/09780164  
; Publication No. US20030092646A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20  
; FILE REFERENCE: 400/010  
; CURRENT APPLICATION NUMBER: US/09/780,164  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/185,516  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 2603  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 926  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-780-164-926

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 437 TCAGAAAGTTCGCAA 452  
Db 17 TAAGAAAGTTCGCAA 2

## RESULT 392

US-09-509-098-94  
; Sequence 94, Application US/09509098  
; Publication No. US20030103970A1  
; GENERAL INFORMATION:  
; APPLICANT: TSUCHIYA, MASAYUKI  
; TITLE OF INVENTION: NATURAL HUMANIZED ANTIBODY  
; FILE REFERENCE: 053466/0274  
; CURRENT APPLICATION NUMBER: US/09/509,098  
; CURRENT FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: PCT/JP98/04469  
; PRIOR FILING DATE: 1998-10-02  
; PRIOR APPLICATION NUMBER: JP 9-271726  
; PRIOR FILING DATE: 1997-10-03  
; NUMBER OF SEQ ID NOS: 203  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 94  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA Primer  
US-09-509-098-94

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 870 CCCACACGCCAAGTTC 885  
Db 2 CCCCAAGCCCAAGGTC 17

## RESULT 393

US-09-827-395A-33  
; Sequence 33, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Recept  
; FILE REFERENCE: MEH00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533  
; PRIOR FILING DATE: 2001-02-09

; PRIOR APPLICATION NUMBER: 60/181,797  
 ; PRIOR FILING DATE: 2000-02-11  
 ; NUMBER OF SEQ ID NOS: 2617  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 33  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-09-827-395A-33

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 75.5%; Pred. No. 3.5e+02;  
 Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 613 GACACCTTCAGGACC 628  
 |||||:|||||  
 Db 1 GACACCUCCGCGACC 16

RESULT 394

US-09-827-395A-196/c  
 ; Sequence 196, Application US/09827395A  
 ; Publication No. US20030113891A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Lawrence Blatt  
 ; APPLICANT: James McSwiggen  
 ; APPLICANT: Bharat Chowrira  
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor  
 ; FILE REFERENCE: MBH00-878-C (400/017)  
 ; CURRENT APPLICATION NUMBER: US/09/827,395A  
 ; CURRENT FILING DATE: 2001-04-05  
 ; PRIOR APPLICATION NUMBER: 09/780,533  
 ; PRIOR FILING DATE: 2001-02-09  
 ; PRIOR APPLICATION NUMBER: 60/181,797  
 ; PRIOR FILING DATE: 2000-02-11  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 196  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-09-827-395A-196

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 568 CTGCTCCAGCAGGCC 583  
 |||||:|||||  
 Db 17 CTGCTCCAGGAGGCC 2

RESULT 395

US-09-827-395A-197/c  
 ; Sequence 197, Application US/09827395A  
 ; Publication No. US20030113891A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Lawrence Blatt  
 ; APPLICANT: James McSwiggen  
 ; APPLICANT: Bharat Chowrira  
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor  
 ; FILE REFERENCE: MBH00-878-C (400/017)  
 ; CURRENT APPLICATION NUMBER: US/09/827,395A  
 ; CURRENT FILING DATE: 2001-04-05  
 ; PRIOR APPLICATION NUMBER: 09/780,533  
 ; PRIOR FILING DATE: 2001-02-09  
 ; PRIOR APPLICATION NUMBER: 60/181,797  
 ; PRIOR FILING DATE: 2000-02-11  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 197

; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-09-827-395A-197

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 568 CTGCTCCAGCAGGCC 583  
 |||||:|||||  
 Db 16 CTGCTCCAGGAGGCC 1

RESULT 396

US-09-827-395A-259  
 ; Sequence 259, Application US/09827395A  
 ; Publication No. US20030113891A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Lawrence Blatt  
 ; APPLICANT: James McSwiggen  
 ; APPLICANT: Bharat Chowrira  
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor  
 ; FILE REFERENCE: MBH00-878-C (400/017)  
 ; CURRENT APPLICATION NUMBER: US/09/827,395A  
 ; CURRENT FILING DATE: 2001-04-05  
 ; PRIOR APPLICATION NUMBER: 09/780,533  
 ; PRIOR FILING DATE: 2001-02-09  
 ; PRIOR APPLICATION NUMBER: 60/181,797  
 ; PRIOR FILING DATE: 2000-02-11  
 ; NUMBER OF SEQ ID NOS: 2617  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 259  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-09-827-395A-259

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 68.8%; Pred. No. 3.5e+02;  
 Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 612 TGACACCTTCAGGACC 627  
 :|||||:|||||  
 Db 2 UGACACCUCCGCGAC 17

RESULT 397

US-09-827-395A-690  
 ; Sequence 690, Application US/09827395A  
 ; Publication No. US20030113891A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Lawrence Blatt  
 ; APPLICANT: James McSwiggen  
 ; APPLICANT: Bharat Chowrira  
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor  
 ; FILE REFERENCE: MBH00-878-C (400/017)  
 ; CURRENT APPLICATION NUMBER: US/09/827,395A  
 ; CURRENT FILING DATE: 2001-04-05  
 ; PRIOR APPLICATION NUMBER: 09/780,533  
 ; PRIOR FILING DATE: 2001-02-09  
 ; PRIOR APPLICATION NUMBER: 60/181,797  
 ; PRIOR FILING DATE: 2000-02-11  
 ; NUMBER OF SEQ ID NOS: 2617  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 690  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-09-827-395A-690

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 75.0%; Pred. No. 3.5e+02;  
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 731 GGGCTGGTGGCGCA 746  
|||||:|||||  
Db 2 GGGCCUGGCGCAGAA 17

## RESULT 398

US-09-740-332-594/c  
; Sequence 594, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyne Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 594  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-594

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 13 GAGGTGGATTAAACCA 28  
|||||:|||||  
Db 17 GAGATGGATCAAAACCA 2

## RESULT 399

US-09-740-332-3756/c  
; Sequence 3756, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyne Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3756  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-3756

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 958 CTGCAGGACTGACCC 973  
|||||:|||||  
Db 17 CTGCAGGACTGGCCC 2

## RESULT 400

US-09-740-332-3961  
; Sequence 3961, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyne Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3961  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-3961

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 75.0%; Pred. No. 3.5e+02;  
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 13 GAGGTGGATTAAACCA 28  
|||||:|||||  
Db 2 GAGAUGGAUCAACCA 17

## RESULT 401

US-10-297-068-562  
; Sequence 562, Application US/10297068  
; Publication No. US20030228585A1  
; GENERAL INFORMATION:  
; APPLICANT: INOKO, Hidetoshi  
; APPLICANT: KAGIYA, Taeko  
; APPLICANT: ICHIHARA, Tatsuo  
; APPLICANT: Matsumura, Yoshiyuki  
; APPLICANT: MORIYA, Shogo  
; APPLICANT: NISHIDA, Michio  
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES  
; FILE REFERENCE: 13140P1174  
; CURRENT APPLICATION NUMBER: US/10/297,068  
; CURRENT FILING DATE: 2002-11-27  
; PRIOR APPLICATION NUMBER: JP 2000-164798  
; PRIOR FILING DATE: 2000-06-01  
; NUMBER OF SEQ ID NOS: 1298  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 562  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: capture  
US-10-297-068-562

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 803 GCTCCTGCAGCCGAG 818  
|||||:|||||  
Db 1 GCTGCTGCAGCCGAG 16

## RESULT 402

US-10-297-068-1053  
; Sequence 1053, Application US/10297068  
; Publication No. US20030228585A1  
; GENERAL INFORMATION:

```
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: MATSUMURA, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 13140P1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1053
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-1053
```

```
Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 531 GGAGCAGCTGGGTGCC 546
|||
Db 1 GGAGCAGCTGAGAGCC 16
```

```
RESULT 403
US-10-297-068-1144
; Sequence 1144, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: MATSUMURA, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 13140P1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1144
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-1144
```

```
Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 195 CCACCCGAGCGCGAC 210
|||
Db 2 CCACGAGAGCGCTAC 17
```

```
RESULT 404
US-10-297-068-1160
; Sequence 1160, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
```

```
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: MATSUMURA, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 13140P1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1160
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-1160
```

```
Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 531 GGAGCAGCTGGGTGCC 546
|||
Db 1 GGAGCAGCTGAGAGCC 16
```

```
RESULT 405
US-10-297-068-1209
; Sequence 1209, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: MATSUMURA, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 13140P1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1209
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-1209
```

```
Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 346 CACAGTGGCGAGTGA 361
|||
Db 2 CAGACTGGCGAGTGA 17
```

```
RESULT 406
US-10-307-005-871/c
; Sequence 871, Application US/10307005
; Publication No. US20030236208A1
; GENERAL INFORMATION:
; APPLICANT: University of Delaware
; APPLICANT: Eric B. Kmiec
```

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; APPLICANT: Howard B. Gamper
; APPLICANT: Michael C. Rice
; APPLICANT: Jungsup Kim
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
; FILE REFERENCE: Napro/009 PCT
; CURRENT APPLICATION NUMBER: US/10/307,005
; PRIOR FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: PCT/US01/17672
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 2717
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 871
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Zea mays
US-10-307-005-871

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 164 GATCCTCAAGGTCTCG 179
Db 17 GATCCTCTAGATCTCG 2

RESULT 407
US-10-307-005-872
; Sequence 872, Application US/10307005
; Publication No. US20030236208A1
; GENERAL INFORMATION:
; APPLICANT: University of Delaware
; APPLICANT: Eric B. Kmiec
; APPLICANT: Howard B. Gamper
; APPLICANT: Michael C. Rice
; APPLICANT: Jungsup Kim
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
; FILE REFERENCE: Napro/009 PCT
; CURRENT APPLICATION NUMBER: US/10/307,005
; PRIOR FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: PCT/US01/17672
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 2717
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 872
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Zea mays
US-10-307-005-872

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 164 GATCCTCAAGGTCTCG 179
Db 1 GATCCTCTAGATCTCG 16

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 164 GATCCTCAAGGTCTCG 179
Db 1 GATCCTCTAGATCTCG 16
```

```

RESULT 408
US-10-307-005-887/c
; Sequence 887, Application US/10307005
; Publication No. US20030236208A1
; GENERAL INFORMATION:
; APPLICANT: University of Delaware
; APPLICANT: Eric B. Kmiec
; APPLICANT: Howard B. Gamper
; APPLICANT: Michael C. Rice
; APPLICANT: Jungsup Kim
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
; FILE REFERENCE: Napro/009 PCT
; CURRENT APPLICATION NUMBER: US/10/307,005
; PRIOR FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: PCT/US01/17672
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 2717
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 887
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Oryza sativa
US-10-307-005-887

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 164 GATCCTCAAGGTCTCG 179
Db 17 GATCCTCTAGATCTCG 2

RESULT 409
US-10-307-005-888
; Sequence 888, Application US/10307005
; Publication No. US20030236208A1
; GENERAL INFORMATION:
; APPLICANT: University of Delaware
; APPLICANT: Eric B. Kmiec
; APPLICANT: Howard B. Gamper
; APPLICANT: Michael C. Rice
; APPLICANT: Jungsup Kim
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
; FILE REFERENCE: Napro/009 PCT
; CURRENT APPLICATION NUMBER: US/10/307,005
; PRIOR FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: PCT/US01/17672
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 2717
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 888
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Oryza sativa
US-10-307-005-888

Query Match          0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
```



```
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 164 GATCCTCAAGTCTCG 179
      |||||
Db 1 GATCCCTAGATCTCG 16
      |||||

RESULT 410
US-09-745-237A-17
; Sequence 17, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBHB00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-17

Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 3.5e+02;
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
QY 814 CCGAGCGCTCGTATGC 829
      |||||
Db 1 CCUGGCGUCCGAUGC 16
      |||||

RESULT 411
US-09-745-237A-573/c
; Sequence 573, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBHB00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 573
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-573

Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 386 CAGAGTGGCAGCAAT 401
      |||||
Db 16 CAGTGTGGCAGCAAT 1
      |||||

RESULT 412
US-09-745-237A-696
; Sequence 696, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
```

```
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBHB00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 696
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-696

Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
QY 548 TGCTGGCAGGCATGCA 563
      |||||
Db 2 UGCGGCGACGACGCA 17
      |||||

RESULT 413
US-09-745-237A-1031/c
; Sequence 1031, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBHB00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1031
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-1031

Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 387 AGAGTGGCAGCAATG 402
      |||||
Db 17 AGTGATGGCAGCAATG 2
      |||||

RESULT 414
US-09-745-237A-1277
; Sequence 1277, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBHB00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1277
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-1277

Query Match 0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.5e+02;
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
```

QY 549 GCTGGCAGGATGAC 564  
||:|||||  
Db 1 GCUGGCAAGCAGGCAC 16

## RESULT 415

US-09-745-237A-1544  
; Sequence 1544, Application US/09745237A  
; Publication No. US20030143708A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: 400/007 (MBHB00-918-A)  
; CURRENT APPLICATION NUMBER: US/09/745,237A  
; CURRENT FILING DATE: 2002-04-15  
; NUMBER OF SEQ ID NOS: 4550  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1544  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1544

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 522 CCGGCCGAGGAGCAG 537  
||:|||||  
Db 2 CCGGCCGAGGAGCAG 17

## RESULT 416

US-09-745-237A-1590/c  
; Sequence 1590, Application US/09745237A  
; Publication No. US20030143708A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: 400/007 (MBHB00-918-A)  
; CURRENT APPLICATION NUMBER: US/09/745,237A  
; CURRENT FILING DATE: 2002-04-15  
; NUMBER OF SEQ ID NOS: 4550  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1590  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1590

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1205 CACACCTCCCTCC 1220  
|||  
Db 17 CCCAGCTCCCTCC 2

## RESULT 417

US-09-745-237A-1591/c  
; Sequence 1591, Application US/09745237A  
; Publication No. US20030143708A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease

; FILE REFERENCE: 400/007 (MBHB00-918-A)  
; CURRENT APPLICATION NUMBER: US/09/745,237A  
; CURRENT FILING DATE: 2002-04-15  
; NUMBER OF SEQ ID NOS: 4550  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1591  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1591

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1205 CACACCTCCCTCC 1220  
|||  
Db 16 CCCAGCTCCCTCC 1

## RESULT 418

US-09-792-818-525  
; Sequence 525, Application US/09792818  
; Publication No. US20030134806A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Jarvis, Thale  
; APPLICANT: Von Carlowitz, Ira  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Hamblin, Paul  
; APPLICANT: Ellis, Jonathan  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with In  
; TITLE OF INVENTION: (GRID) Gene  
; FILE REFERENCE: MBHB00-901-A (400/013)  
; CURRENT APPLICATION NUMBER: US/09/792,818  
; CURRENT FILING DATE: 2001-02-23  
; NUMBER OF SEQ ID NOS: 2304  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 525  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-792-818-525

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 68.8%; Pred. No. 3.5e+02;  
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 287 CAGCAGCAATGCTGC 302  
|||  
Db 2 CAGCAGCAATGCTGC 17

## RESULT 419

US-09-792-818-617/c  
; Sequence 617, Application US/09792818  
; Publication No. US20030134806A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Jarvis, Thale  
; APPLICANT: Von Carlowitz, Ira  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Hamblin, Paul  
; APPLICANT: Ellis, Jonathan  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Ir  
; TITLE OF INVENTION: (GRID) Gene  
; FILE REFERENCE: MBHB00-901-A (400/013)  
; CURRENT APPLICATION NUMBER: US/09/792,818  
; CURRENT FILING DATE: 2001-02-23  
; NUMBER OF SEQ ID NOS: 2304  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 617  
; LENGTH: 17

TYPE: RNA  
ORGANISM: Homo sapiens  
US-09-792-818-617

Query Match  
Best Local Similarity 0.9%; Score 12.8; DB 1; Length 17;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 295 ATCTCTGCTGTGGGG 310  
Db 16 ATCTCTGCTGTGGGG 1

RESULT 420  
US-09-792-818-711  
Sequence 711, Application US/09792818  
Publication No. US20030134806A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals, Inc.  
APPLICANT: Jarvis, Thale  
APPLICANT: Von Carlowitz, Ira  
APPLICANT: McSwiggen, Jim  
APPLICANT: Hamblin, Paul  
APPLICANT: Ellis, Jonathan  
TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inse  
FILE REFERENCE: MHR00-901-A (400/013)  
CURRENT APPLICATION NUMBER: US/09/792,818  
CURRENT FILING DATE: 2001-02-23  
NUMBER OF SEQ ID NOS: 2304  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 711  
LENGTH: 17  
TYPE: RNA  
ORGANISM: Homo sapiens  
US-09-792-818-711

Query Match  
Best Local Similarity 0.9%; Score 12.8; DB 1; Length 17;  
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 287 CAGCAGCAATGCTGC 302  
Db 1 CAGCAGCAUAUCUGC 16

RESULT 421  
US-10-071-299-10  
Sequence 10, Application US/10071299  
Publication No. US20030154033A1  
GENERAL INFORMATION:  
APPLICANT: YANG, QINGHONG  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING DIFFERENCES BETWEEN NUCLE  
FILE REFERENCE: 10752-0014-999  
CURRENT APPLICATION NUMBER: US/10/071,299  
CURRENT FILING DATE: 2002-02-07  
NUMBER OF SEQ ID NOS: 34  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 10  
LENGTH: 17  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Polynucleotide strand compri  
OTHER INFORMATION: Hc17 tracer molecule  
US-10-071-299-10

Query Match  
Best Local Similarity 0.9%; Score 12.8; DB 1; Length 17;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1304 GCCCATGTAGCCAGG 1319

Db 2 GCACCATGTAGCAAGG 17  
RESULT 422  
US-10-238-700-684/c  
Sequence 684, Application US/10238700  
Publication No. US20030153521A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals, Inc.  
APPLICANT: McSwiggen, James  
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Le  
FILE REFERENCE: 400/057 (WBH01-1158-A)  
CURRENT APPLICATION NUMBER: US/10/238,700  
CURRENT FILING DATE: 2002-09-18  
PRIOR APPLICATION NUMBER: PCT/US 02/16840  
PRIOR FILING DATE: 2002-05-29  
PRIOR APPLICATION NUMBER: US 60/318,471  
PRIOR FILING DATE: 2001-09-10  
NUMBER OF SEQ ID NOS: 4666  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 684  
LENGTH: 17  
TYPE: RNA  
ORGANISM: Homo sapiens  
US-10-238-700-684

Query Match  
Best Local Similarity 0.9%; Score 12.8; DB 1; Length 17;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1013 ACCTGAGATGTGCCA 1028  
Db 17 AGCTGAGATGTGCCA 2

RESULT 423  
US-10-238-700-1283  
Sequence 1283, Application US/10238700  
Publication No. US20030153521A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals, Inc.  
APPLICANT: McSwiggen, James  
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Le  
FILE REFERENCE: 400/057 (WBH01-1158-A)  
CURRENT APPLICATION NUMBER: US/10/238,700  
CURRENT FILING DATE: 2002-09-18  
PRIOR APPLICATION NUMBER: PCT/US 02/16840  
PRIOR FILING DATE: 2002-05-29  
PRIOR APPLICATION NUMBER: US 60/318,471  
PRIOR FILING DATE: 2001-09-10  
NUMBER OF SEQ ID NOS: 4666  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 1283  
LENGTH: 17  
TYPE: RNA  
ORGANISM: Homo sapiens  
US-10-238-700-1283

Query Match  
Best Local Similarity 0.9%; Score 12.8; DB 1; Length 17;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 279 AGGGGAGCAGCAGCA 294  
Db 2 AAAGGAGCAGCAGCA 17

RESULT 424  
US-10-238-700-3193/c  
Sequence 3193, Application US/10238700  
Publication No. US20030153521A1  
GENERAL INFORMATION:

```
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MEH01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3193
; TYPE: RNA
; LENGTH: 17
; ORGANISM: Homo sapiens
; US-10-238-700-3193

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 693 CCAGCGGCCCTCCTT 708
Db 16 CCAGCAGCCCTCCTT 1

RESULT 425
US-10-238-700-3194/c
; Sequence 3194, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MEH01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3194
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-10-238-700-3194

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 570 GCTCCAGCAGCCCTC 585
Db 16 GCTCCAGCAGCCCTTC 1

RESULT 426
US-10-061-201-220
; Sequence 220, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 221
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-221

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

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; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 220
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-220

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 160 CGCTGATCCTCAAGGT 175
Db 2 CGCTGCTCTCCAGGT 17

RESULT 427
US-10-061-201-221
; Sequence 221, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 221
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-221

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Matches 14; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 160 CGCTGATCTCTCAAGGT 175  
Db 1 CGCTGCTCTCTCAAGGT 16

## RESULT 428

US-10-061-201-1247  
; Sequence 1247, Application US/10061201  
; Publication No. US20030166229A1  
; GENERAL INFORMATION:  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1  
; FILE REFERENCE: PB0178  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: US/10/061,201  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/328,205  
; PRIOR FILING DATE: 2001-10-10  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 1247  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-061-201-1247

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 570 GCTCCAGCAGGCCCTC 585  
Db 2 GCTCCAGCAACCCCTC 17

## RESULT 429

US-10-061-201-1248  
; Sequence 1248, Application US/10061201  
; Publication No. US20030166229A1  
; GENERAL INFORMATION:  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1  
; FILE REFERENCE: PB0178  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: US/10/061,201  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/328,205  
; PRIOR FILING DATE: 2001-10-10  
; NUMBER OF SEQ ID NOS: 4162  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 1248  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-061-201-1248

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 570 GCTCCAGCAGGCCCTC 585  
Db 1 GCTCCAGCAACCCCTC 16

## RESULT 430

US-10-061-201-1259/c  
; Sequence 1259, Application US/10061201  
; Publication No. US20030166229A1  
; GENERAL INFORMATION:  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1  
; FILE REFERENCE: PB0178  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/328,205  
; PRIOR FILING DATE: 2001-10-10  
; NUMBER OF SEQ ID NOS: 4162  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 1259  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-061-201-1259

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 268 TGGCTGATCAAGAGG 283  
Db 17 TGGGTGATCACAGG 2

```
RESULT 431
US-10-061-201-1267/c
; Sequence 1267, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00671
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1267
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1267
Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 261 CCTGGGCTGGTGATC 276
Db 16 CATGGGCTGGTGATC 1

RESULT 432
US-10-061-201-1766/c
; Sequence 1766, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00671
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1267
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1767/c
Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 306 GGCCCTGGTCCTAAAG 921
Db 17 GACCCCTGTCTCTAAAG 2

RESULT 433
US-10-061-201-1767/c
; Sequence 1767, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00671
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1767
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1767
Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 906 GGCCCTGGTCCTAAAG 921
Db 16 GACCCCTGTCTCTAAAG 1

RESULT 434
US-10-339-782-102
; Sequence 102, Application US/10339782
```

Publication No. US20030166026A1

GENERAL INFORMATION:  
APPLICANT: Lynx Therapeutics, Inc.  
APPLICANT: Goodman, Laurie J  
APPLICANT: Bowen, Benjamin A  
TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells  
FILE REFERENCE: 37-000110US  
CURRENT APPLICATION NUMBER: US/10/339,782  
CURRENT FILING DATE: 2003-01-08  
NUMBER OF SEQ ID NOS: 495  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 102  
LENGTH: 17  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-339-782-102

Query Match 0.9%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 3.5e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 608 AGCTGACACCTTCAG 623

Db 2 ATCTGACACCTTCAG 17

RESULT 435

US-09-817-879-594/c

Sequence 594, Application US/09817879

Publication No. US2003017131A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection

FILE REFERENCE: MEHB00-801-F

CURRENT APPLICATION NUMBER: US/09/817,879

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: PatentIn version 3.0

SEQ ID NO 594

LENGTH: 17

TYPE: RNA

ORGANISM: artificial sequence

FEATURE: NAME/KEY: misc\_feature

LOCATION: LOCATION:

OTHER INFORMATION: oligonucleotide substrate

US-09-817-879-594

Query Match

Best Local Similarity 0.9%; Score 12.8; DB 1; Length 17;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 13 GAGTGGATTAAACCA 28

Db 17 GAGATGGATCAACCA 2

RESULT 436

US-09-817-879-3756/c

Sequence 3756, Application US/09817879

Publication No. US2003017131A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection

FILE REFERENCE: MEHB00-801-F

CURRENT APPLICATION NUMBER: US/09/817,879

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: PatentIn version 3.0

SEQ ID NO 3756

LENGTH: 17

TYPE: RNA

ORGANISM: artificial sequence

FEATURE: NAME/KEY: misc\_feature

LOCATION: LOCATION:

OTHER INFORMATION: oligonucleotide substrate

US-09-817-879-3756

Query Match

Best Local Similarity 0.9%; Score 12.8; DB 1; Length 17;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 958 CTGCAGGACTGACCCC 973

Db 17 CTGCAGGACTGGGCCC 2

RESULT 437

US-09-817-879-3961

Sequence 3961, Application US/09817879

Publication No. US2003017131A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection

FILE REFERENCE: MEHB00-801-F

CURRENT APPLICATION NUMBER: US/09/817,879

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: PatentIn version 3.0

SEQ ID NO 3961

LENGTH: 17

TYPE: RNA

ORGANISM: artificial sequence

FEATURE: NAME/KEY: misc\_feature

LOCATION: LOCATION:

OTHER INFORMATION: oligonucleotide substrate

US-09-817-879-3961

Query Match

Best Local Similarity 0.9%; Score 12.8; DB 1; Length 17;

Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 13 GAGTGGATTAAACCA 28

Db 2 GAGATGGATCAACCA 17

RESULT 438

US-10-340-192-82/c

Sequence 82, Application US/10340192

Publication No. US20030170700A1

GENERAL INFORMATION:

APPLICANT: Lynx Therapeutics, Inc.

APPLICANT: Shang, Jin

APPLICANT: Bowen, Benjamin A

TITLE OF INVENTION: SECRETED AND CELL SURFACE POLYPEPTIDES AFFECTED BY CHOLESTEROL

FILE REFERENCE: 37-000610US

CURRENT APPLICATION NUMBER: US/10/340,192

CURRENT FILING DATE: 2003-01-08

NUMBER OF SEQ ID NOS: 88

SOFTWARE: PatentIn version 3.1

SEQ ID NO 82

LENGTH: 17

TYPE: DNA

ORGANISM: Homo sapiens

US-10-340-192-82

Query Match

Best Local Similarity 0.9%; Score 12.8; DB 1; Length 17;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 919 AAGGATGCCAGATC 934  
Db 16 AAGCGATGCCAGATC 1

RESULT 439  
US-10-230-006-486  
; Sequence 486, Application US/10230006  
; Publication No. US20030191077A1  
; GENERAL INFORMATION:  
; APPLICANT: Fosnaugh, Kathy  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC COND  
; FILE REFERENCE: 400/056 (MBH01-1110)  
; CURRENT APPLICATION NUMBER: US/10/230,006  
; CURRENT FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: US 60/315,315  
; PRIOR FILING DATE: 2001-08-28  
; NUMBER OF SEQ ID NOS: 2678  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 486  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-230-006-486

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 81.2%; Pred. No. 3.5e+02;  
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 627 CCAGCTCCAGGAGCTC 642  
Db 2 CCAGCGCCAGCGGCUC 17

RESULT 440  
US-10-230-006-487  
; Sequence 487, Application US/10230006  
; Publication No. US20030191077A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Fosnaugh, Kathy  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC COND  
; FILE REFERENCE: 400/056 (MBH01-1110)  
; CURRENT APPLICATION NUMBER: US/10/230,006  
; CURRENT FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: US 60/315,315  
; PRIOR FILING DATE: 2001-08-28  
; NUMBER OF SEQ ID NOS: 2678  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 487  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-230-006-487

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 81.2%; Pred. No. 3.5e+02;  
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 627 CCAGCTCCAGGAGCTC 642  
Db 1 CCAGCGCCAGCGGCUC 16

RESULT 441  
US-10-260-638-91/c  
; Sequence 91, Application US/10260638  
; Publication No. US20030207327A1  
; GENERAL INFORMATION:

; APPLICANT: Kmiec, Eric B.  
; APPLICANT: RICE, MICHAEL C.  
; TITLE OF INVENTION: COISOGENIC EUKARYOTIC CELL COLLECTIONS  
; FILE REFERENCE: Napro-12 US  
; CURRENT APPLICATION NUMBER: US/10/260,638  
; CURRENT FILING DATE: 2002-09-27  
; PRIOR APPLICATION NUMBER: 60/325,992  
; PRIOR FILING DATE: 2001-09-27  
; NUMBER OF SEQ ID NOS: 196  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 91  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: targeting oligonucleotide  
US-10-260-638-91

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 562 CACACACTGCTCCAGC 577  
Db 17 CACCCACTCTCCAGC 2

RESULT 442  
US-10-260-638-92  
; Sequence 92, Application US/10260638  
; Publication No. US20030207327A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: RICE, MICHAEL C.  
; TITLE OF INVENTION: COISOGENIC EUKARYOTIC CELL COLLECTIONS  
; FILE REFERENCE: Napro-12 US  
; CURRENT APPLICATION NUMBER: US/10/260,638  
; CURRENT FILING DATE: 2002-09-27  
; PRIOR APPLICATION NUMBER: 60/325,992  
; PRIOR FILING DATE: 2001-09-27  
; NUMBER OF SEQ ID NOS: 196  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 92  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: targeting oligonucleotide  
US-10-260-638-92

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 562 CACACACTGCTCCAGC 577  
Db 1 CACCCACTCTCCAGC 16

RESULT 443  
US-10-209-787-3842/c  
; Sequence 3842, Application US/10209787  
; Publication No. US20030217377A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; TITLE OF INVENTION: Stranded Oligonucleotides  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/10/209,787



```
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3842
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-3842
```

```
Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 974 TCACCTGACCACTCCC 989
    ||| ||||| |||||
Db 17 TCATCTGACCACTCCC 2
```

## RESULT 444

```
US-10-209-787-3843
; Sequence 3843, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3843
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-3843
```

```
Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 974 TCACCTGACCACTCCC 989
    ||| ||||| |||||
Db 1 TCATCTGACCACTCCC 16
```

## RESULT 445

```
US-10-209-787-4094
; Sequence 4094, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 4094
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-4094
```

```
Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1235 TGGTGTGACGTGGC 1250
    ||||| ||||| |||||
Db 1 TGGTGTGCTGCTGGC 16
```

## RESULT 446

```
US-10-209-787-4095/c
; Sequence 4095, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 4095
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-4095
```

```
Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1235 TGGTGTGACGTGGC 1250
    ||||| ||||| |||||
Db 17 TGGTGTGCTGCTGGC 2
```

RESULT 447  
US-10-060-830-702/c  
; Sequence 702, Application US/10060830  
; Publication No. US20030032154A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Nguyen, Cung-Tuong  
; TITLE OF INVENTION: HUMAN LCLL DOMAN CONTAINING PROTEIN  
; FILE REFERENCE: PB0169  
; CURRENT APPLICATION NUMBER: US/10/060,830  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/325,062  
; PRIOR FILING DATE: 2001-09-25  
; NUMBER OF SEQ ID NOS: 1123  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 702  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-830-702

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 525 GCCGAGGAGCAGCTG 540  
| | | | | | | | | | | | | | | | | |  
Db 17 GGCTGAGGAGCAGCTG 2

RESULT 448  
US-10-060-830-703/c  
; Sequence 703, Application US/10060830  
; Publication No. US20030032154A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Nguyen, Cung-Tuong  
; TITLE OF INVENTION: HUMAN LCLL DOMAN CONTAINING PROTEIN  
; FILE REFERENCE: PB0169  
; CURRENT APPLICATION NUMBER: US/10/060,830  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/325,062  
; PRIOR FILING DATE: 2001-09-25

; NUMBER OF SEQ ID NOS: 1123  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 703  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-830-703

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 525 GCCGAGGAGCAGCTG 540  
| | | | | | | | | | | | | | | | | |  
Db 16 GGCTGAGGAGCAGCTG 1

RESULT 449  
US-10-060-756A-1816/c  
; Sequence 1816, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/327,898  
; PRIOR FILING DATE: 2001-10-09  
; NUMBER OF SEQ ID NOS: 4804  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 1816  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-756A-1816

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 239 CATCTGCATCTGGGAC 254  
| | | | | | | | | | | | | | | | | |  
Db 17 CATCTGCATCTGGGAC 2

RESULT 450  
US-10-060-756A-1817/c  
; Sequence 1817, Application US/10060756A  
; Publication No. US20030046717A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Jian  
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
; FILE REFERENCE: PB0177  
; CURRENT APPLICATION NUMBER: US/10/060,756A  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 09/864,761  
 ; PRIOR FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/327,898  
 ; PRIOR FILING DATE: 2001-10-09  
 ; NUMBER OF SEQ ID NOS: 4804  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 1817  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-060-756A-1817

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 239 CATCTGCATCTGGAC 254  
 |||||  
 Db 16 CAGTTCATCTGGAC 1

RESULT 451  
 US-10-060-756A-4084  
 ; Sequence 4084, Application US/10060756A  
 ; Publication No. US20030046717A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Zhang, Jian  
 ; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
 ; FILE REFERENCE: PB0177  
 ; CURRENT APPLICATION NUMBER: US/10/060,756A  
 ; CURRENT FILING DATE: 2002-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 09/864,761  
 ; PRIOR FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/327,898  
 ; PRIOR FILING DATE: 2001-10-09  
 ; NUMBER OF SEQ ID NOS: 4804  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 4084  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-060-756A-4084

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1137 CTATGCTTTTCT 1152  
 |||||  
 Db 2 CTATGCTTTTCT 17

RESULT 452  
 US-10-060-756A-4085  
 ; Sequence 4085, Application US/10060756A  
 ; Publication No. US20030046717A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Zhang, Jian  
 ; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN  
 ; FILE REFERENCE: PB0177  
 ; CURRENT APPLICATION NUMBER: US/10/060,756A  
 ; CURRENT FILING DATE: 2002-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 09/864,761  
 ; PRIOR FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/327,898  
 ; PRIOR FILING DATE: 2001-10-09  
 ; NUMBER OF SEQ ID NOS: 4804  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 4085  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-060-756A-4085

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 87.5%; Pred. No. 3.5e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1137 CTATGCTTTTCT 1152  
 |||||  
 Db 1 CTATGCTTTTCT 16

RESULT 453  
 US-10-163-552-316  
 ; Sequence 316, Application US/10163552  
 ; Publication No. US20030105051A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: McSwiggen, Jim  
 ; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to lev  
 ; FILE REFERENCE: MHR01-1653-A (400/014)  
 ; CURRENT APPLICATION NUMBER: US/10/163,552  
 ; CURRENT FILING DATE: 2002-06-06  
 ; NUMBER OF SEQ ID NOS: 1997  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 316  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-10-163-552-316

Query Match 0.9%; Score 12.8; DB 1; Length 17;  
 Best Local Similarity 81.2%; Pred. No. 3.5e+02;  
 Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 589 CTGCCCCCACCAGCC 604  
 |||||  
 Db 2 CUGCCCCGCUCCAGCC 17

RESULT 454

```
US-10-163-552-423
; Sequence 423, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE OF INVENTION: HER2
; FILE REFERENCE: MBH01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 423
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-423

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.5e+02;
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 475 GGGGAGGAGCTGCGAG 490
Db 1 GUGGAGGAUCCGAG 16

RESULT 455
US-10-156-306-1580/c
; Sequence 1580, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1580
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-1580

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1013 ACCTGAGATGTGCCA 1028
Db 17 ATCTGAGATGTGCCA 2

RESULT 456
US-10-156-306-5078
; Sequence 5078, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5078
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-5078

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.5e+02;
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 526 CCGGAGGAGCAGCTGG 541
Db 1 CUGCAGGAGCAGCUGG 16

RESULT 459
US-10-156-306-6867/c
; Sequence 6867, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6867
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-6867/c

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3.5e+02;
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 526 CCGGAGGAGCAGCTGG 541
Db 1 CUGCAGGAGCAGCUGG 16

RESULT 457
US-10-156-306-5079
; Sequence 5079, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5079
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-5079

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1008 CAGGCACCTGAGATGG 1023
Db 2 CAGGCCCCUGAUAUGG 17

RESULT 458
US-10-156-306-5922
; Sequence 5922, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5922
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-5922

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1008 CAGGCACCTGAGATGG 1023
Db 1 CAGGCCCCUGAUAUGG 16
```

```
; Sequence 6867, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggan, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MH801-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6867
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-6867

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      782 TCCTCCACCAAGTGCCT 797
Db      16 TCCTCCACCAAGTTCCT 1

RESULT 460
US-10-218-253-72
; Sequence 72, Application US/10218253
; Publication No. US20030129185A1
; GENERAL INFORMATION:
; APPLICANT: Ono, Koichiro
; APPLICANT: Ohtomo, Toshihiko
; APPLICANT: Tsuchiya, Masayuki
; APPLICANT: Yoshimura, Yasuhide
; APPLICANT: Koishihara, Yasuo
; TITLE OF INVENTION: RESHAPED HUMAN ANTI-HM 1.24 ANTIBODY
; FILE REFERENCE: 35029-20007.00
; CURRENT APPLICATION NUMBER: US/10/218,253
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US/09/269,921
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: PCT/JP97/03553
; PRIOR FILING DATE: 1997-10-03
; PRIOR APPLICATION NUMBER: JP 8-264756
; PRIOR FILING DATE: 1996-10-04
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 72
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-218-253-72

Query Match      0.9%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      870 CCCACACCAAGTTC 885
Db      2 CCCAAAGCCCAAGTTC 17

RESULT 461
US-09-742-373-6
; Sequence 6, Application US/09742373
; Patent No. US20020052471A1
; GENERAL INFORMATION:
; APPLICANT: Althaus, Harald
; APPLICANT: Hauser, Hans-Peter
; TITLE OF INVENTION: METHOD FOR DETECTING GROWTH HORMONE VARIATIONS IN HUMANS, THE VARIATIONS AND THEIR USES
; FILE REFERENCE: WCM78

; TITLE OF INVENTION: Human Procalcitonin and the Preparation and Use Thereof
; FILE REFERENCE: 05552.1445-00
; CURRENT APPLICATION NUMBER: US/09/742,373
; CURRENT FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 19962434.8
; PRIOR FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: 10016278.9
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: 10027954.6
; PRIOR FILING DATE: 2000-06-08
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Primer, non
; OTHER INFORMATION: genomic DNA
US-09-742-373-6

Query Match      0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      833 TGAAGCTTTCAGATGG 848
Db      2 TGAAGCTTTTAGTTGG 17

RESULT 462
US-09-853-688-22/c
; Sequence 22, Application US/09853688
; Patent No. US20020081605A1
; GENERAL INFORMATION:
; APPLICANT: COOPER, DAVID N.
; APPLICANT: PROCTER, ANNIE M.
; APPLICANT: GREGORY, JOHN
; APPLICANT: MILLAR, DAVID S.
; TITLE OF INVENTION: METHOD FOR DETECTING GROWTH HORMONE VARIATIONS IN HUMANS, THE VARIATIONS AND THEIR USES
; FILE REFERENCE: WCM78
; CURRENT APPLICATION NUMBER: US/09/853,688
; CURRENT FILING DATE: 2001-05-14
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-853-688-22

Query Match      0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1255 TGAGCCAGCTTGAGG 1270
Db      16 TGAGGTCAGCTTGAGG 1

RESULT 463
US-09-853-688-57/c
; Sequence 57, Application US/09853688
; Patent No. US20020081605A1
; GENERAL INFORMATION:
; APPLICANT: COOPER, DAVID N.
; APPLICANT: PROCTER, ANNIE M.
; APPLICANT: GREGORY, JOHN
; APPLICANT: MILLAR, DAVID S.
; TITLE OF INVENTION: METHOD FOR DETECTING GROWTH HORMONE VARIATIONS IN HUMANS, THE VARIATIONS AND THEIR USES
; FILE REFERENCE: WCM78
```

; CURRENT APPLICATION NUMBER: US/09/853,688  
; CURRENT FILING DATE: 2001-05-14  
; NUMBER OF SEQ ID NOS: 66  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 57  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-853-688-57

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1255 TGAGGCCAGGTTGAGG 1270  
|||||  
Db 16 TGAGGTCAGCTTGAGG 1

## RESULT 464

US-09-951-536-8/c  
; Sequence 8, Application US/09951536  
; Patent No. US20020107378A1  
; GENERAL INFORMATION:  
; APPLICANT: ZIEGLER, PETRA  
; APPLICANT: EGELING, LOHAR  
; APPLICANT: SAHM, HERMANN  
; APPLICANT: THIERBACH, GEORG  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES CODING FOR THE THRE GENE AND  
; TITLE OF INVENTION: PROCESS FOR THE ENZYMATIC PRODUCTION OF L-THREONINE  
; TITLE OF INVENTION: USING CORNEFORM BACTERIA  
; FILE REFERENCE: 21123/282414/MAS  
; CURRENT APPLICATION NUMBER: US/09/951,536  
; CURRENT FILING DATE: 2001-09-14  
; PRIOR APPLICATION NUMBER: 09/431,099  
; PRIOR FILING DATE: 1999-11-01  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 8  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Primer  
US-09-951-536-8

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 278 AAGAGGACGACGACG 293  
|||||  
Db 18 AAGAGGAACGCGACG 3

## RESULT 465

US-09-969-373-1726/c  
; Sequence 1726, Application US/09969373  
; Patent No. US20020133852A1  
; GENERAL INFORMATION:  
; APPLICANT: Effertz, Roger J.  
; APPLICANT: Hauge, Brian M.  
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping  
; FILE REFERENCE: 38-10(52679)A  
; CURRENT APPLICATION NUMBER: US/09/969,373  
; CURRENT FILING DATE: 2001-10-02  
; PRIOR APPLICATION NUMBER: US 09/754,853  
; PRIOR FILING DATE: 2001-01-05  
; PRIOR APPLICATION NUMBER: US 09/760,427  
; PRIOR FILING DATE: 2001-01-13  
; PRIOR APPLICATION NUMBER: US 09/855,768  
; PRIOR FILING DATE: 2001-05-15  
; NUMBER OF SEQ ID NOS: 4593

; SEQ ID NO 1726  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Glycine max  
US-09-969-373-1726

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1037 CTGACTCTCCACGA 1052  
|||||  
Db 18 CTGACCTTCCCAAGA 3

## RESULT 466

US-09-969-373-3316/c  
; Sequence 3316, Application US/09969373  
; Patent No. US20020133852A1  
; GENERAL INFORMATION:  
; APPLICANT: Effertz, Roger J.  
; APPLICANT: Hauge, Brian M.  
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping  
; FILE REFERENCE: 38-10(52679)A  
; CURRENT APPLICATION NUMBER: US/09/969,373  
; CURRENT FILING DATE: 2001-10-02  
; PRIOR APPLICATION NUMBER: US 09/754,853  
; PRIOR FILING DATE: 2001-01-05  
; PRIOR APPLICATION NUMBER: US 09/760,427  
; PRIOR FILING DATE: 2001-01-13  
; PRIOR APPLICATION NUMBER: US 09/855,768  
; PRIOR FILING DATE: 2001-05-15  
; NUMBER OF SEQ ID NOS: 4593  
; SEQ ID NO 3316  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Glycine max  
US-09-969-373-3316

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 280 GAGGAGCAGCAGCAA 295  
|||||  
Db 18 GAGAGACGACGACAA 3

## RESULT 467

US-09-897-438B-11/c  
; Sequence 11, Application US/09897438B  
; Patent No. US20020137095A1  
; GENERAL INFORMATION:  
; APPLICANT: Mikoshiba, Katsuhiko  
; APPLICANT: Tate, Naoko  
; TITLE OF INVENTION: REELIN PROTEIN CR-50 EPTOPE REGION  
; FILE REFERENCE: 04853-0076-00000  
; CURRENT APPLICATION NUMBER: US/09/897,438B  
; CURRENT FILING DATE: 2001-07-03  
; PRIOR APPLICATION NUMBER: JP 2000-202801  
; PRIOR FILING DATE: 2000-07-04  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
; OTHER INFORMATION: primer for PCR  
US-09-897-438B-11

Query Match 0.9%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1019 GATGTCGCAAGTCG 1034  
|||||  
DB 18 GATGTCGCAACTGC 3

## RESULT 468

US-09-963-521-8/c  
; Sequence 8, Application US/09963521  
; Patent No. US20020146781A1  
; GENERAL INFORMATION:  
; APPLICANT: ZIEGLER, PETRA  
; APPLICANT: EGGELING, LOTHAR  
; APPLICANT: SAHM, HERMANN  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES CODING FOR THE THREE GENE  
; TITLE OF INVENTION: AND PROCESS FOR THE ENZYMATIC PRODUCTION OF  
; TITLE OF INVENTION: L-THREONINE USING CORYNEFORM BACTERIA  
; FILE REFERENCE: 21123/282413/MAS  
; CURRENT APPLICATION NUMBER: US/09/963,521  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/431,099  
; PRIOR FILING DATE: 1999-11-01  
; PRIOR APPLICATION NUMBER: DE 199 41 478.5  
; PRIOR FILING DATE: 1999-09-01  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 8  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Primer  
US-09-963-521-8

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 278 AAGAGGAGCAGCAGC 293  
|||||  
DB 18 AAGAGGAAACCGCAGC 3

## RESULT 469

US-09-834-721-8/c  
; Sequence 8, Application US/09834721  
; Patent No. US2002015551A1  
; GENERAL INFORMATION:  
; APPLICANT: RIEPING, MECHTHILD  
; TITLE OF INVENTION: PROCESS FOR THE FERMENTATIVE PREPARATION OF L-THREONINE  
; FILE REFERENCE: 21123/280169/MAS  
; CURRENT APPLICATION NUMBER: US/09/834,721  
; CURRENT FILING DATE: 2001-04-16  
; PRIOR APPLICATION NUMBER: DE 100 26 494.8  
; PRIOR FILING DATE: 2000-05-27  
; PRIOR APPLICATION NUMBER: DE 101 02 823.7  
; PRIOR FILING DATE: 2001-01-23  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 8  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Artificial  
US-09-834-721-8

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 278 AAGAGGAGCAGCAGC 293  
|||||  
DB 18 AAGAGGAAACCGCAGC 3

## RESULT 470

US-09-783-388-6/c  
; Sequence 6, Application US/09783388  
; Patent No. US20020168731A1  
; GENERAL INFORMATION:  
; APPLICANT: ZIEGLER, PETRA  
; APPLICANT: EGGELING, LOTHAR  
; APPLICANT: SAHM, HERMANN  
; APPLICANT: Thierbach, Georg  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES CODING FOR THE THREE GENE AND  
; TITLE OF INVENTION: PROCESS FOR  
; TITLE OF INVENTION: ENZYMATIC PRODUCTION OF L-THREONINE USING CORYNEFORM BACTERIA  
; FILE REFERENCE: 21123/277066  
; CURRENT APPLICATION NUMBER: US/09/783,388  
; CURRENT FILING DATE: 2001-02-15  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 6  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: PCR primer  
US-09-783-388-6

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 278 AAGAGGAGCAGCAGC 293  
|||||  
DB 18 AAGAGGAAACCGCAGC 3

## RESULT 471

US-09-961-077-609/c  
; Sequence 609, Application US/09961077  
; Publication No. US20030014775A1  
; GENERAL INFORMATION:  
; APPLICANT: Zwick, Michael G.  
; Edington, Brent E.  
; McSwiggen, James A.  
; Merlo, Patricia Ann Owens  
; Guo, Lining  
; Skokut, Thomas A.  
; Young, Scott A.  
; Folkerts, Otto  
; Merlo, Donald J.  
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR  
; MODULATION OF GENE EXPRESSION  
; IN PLANTS  
; NUMBER OF SEQUENCES: 1263  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: Word Perfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/961,077  
; FILING DATE: 21-Sep-2001

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;
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/679,645
; FILING DATE: July 12, 1996
; APPLICATION NUMBER: 60/001,135
; FILING DATE: July 13, 1995
; APPLICATION NUMBER: 08/300,726
; FILING DATE: September 2, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 219/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 609:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 609:
US-09-961-077-609
Query Match 0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 884 TCCAGGAGCTGGGTA 899
Db 16 TCCATGAGCTGGGGA 1

RESULT 472
US-09-961-077-629
; Sequence 629, Application US/09961077
; Publication No. US20030014775A1
; GENERAL INFORMATION:
; APPLICANT: Zwick, Michael G.
; Edington, Brent E.
; McSwiggen, James A.
; Merlo, Patricia Ann Owens
; Guo, Lining
; Skokut, Thomas A.
; Young, Scott A.
; Folkerts, Otto
; Merlo, Donald J.
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR
; MODULATION OF GENE EXPRESSION
; IN PLANTS
; NUMBER OF SEQUENCES: 1263
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/961,077
; FILING DATE: 21-Sep-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/679,645
; FILING DATE: July 12, 1996
; APPLICATION NUMBER: 60/001,135
; FILING DATE: July 13, 1995
; APPLICATION NUMBER: 08/300,726
; FILING DATE: September 2, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 219/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 609:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 609:
US-09-961-077-629
Query Match 0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 884 TCCAGGAGCTGGGTA 899
Db 16 TCCATGAGCTGGGGA 1

RESULT 473
US-09-906-408A-36
; Sequence 36, Application US/09906408A
; Publication No. US20030028915A1
; GENERAL INFORMATION:
; APPLICANT: Tilton, Gregory
; APPLICANT: Shockey, Jay
; APPLICANT: Browne, John
; TITLE OF INVENTION: Acyl Coenzyme A Thioesterases
; FILE REFERENCE: DOW-04678
; CURRENT APPLICATION NUMBER: US/09/906,408A
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 60/220,028
; PRIOR FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 36
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-906-408A-36
Query Match 0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 643 TGCATCCCCCAAGACC 658
Db 2 TGAATCCCCAAGACC 17

RESULT 474
US-09-951-535-8/c
; Sequence 8, Application US/09951535
; Publication No. US20030049802A1
; GENERAL INFORMATION:
; APPLICANT: ZIEGLER, PETRA
; APPLICANT: EGGELING, LOTHAR
; APPLICANT: SAHM, HERMANN
; APPLICANT: THIERBACH, GEORG
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES CODING FOR THE THREE GENE AND
```



```
; TITLE OF INVENTION: PROCESS FOR THE ENZYMIC PRODUCTION OF L-THREONINE
; TITLE OF INVENTION: USING CORYNEFORM BACTERIA
; FILE REFERENCE: 21123/282415/MAS
; CURRENT APPLICATION NUMBER: US/09/951.535
; CURRENT FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 09/431.099
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: DE 199 41 478.5
; PRIOR FILING DATE: 1999-09-01
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-951-535-8

Query Match 0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 278 AAGAGGAAGCAGCAGC 293
Db 18 AAGAGGAAGCAGCAGC 3

RESULT 475
US-09-978-600-28
; Sequence 28, Application US/09978600
; Publication No. US20030087858A1
; GENERAL INFORMATION:
; APPLICANT: HERRNSTADT, CORINNA
; PARKER, WILLIAM D.
; DAVIS, ROBERT
; MILLER, SCOTT W.
; TITLE OF INVENTION: Diagnosis, Therapy and Cellular and
; Animal Models for Diseases Associated With Mitochondrial
; Defects
; NUMBER OF SEQUENCES: 206
; CORRESPONDENCE ADDRESS:
; ADDRESS: Kenyon & Kenyon
; STREET: 1025 Connecticut Avenue, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20036-5405
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/978,600
; FILING DATE: 15-Oct-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/413,740
; FILING DATE: 30-MAR-1995
; APPLICATION NUMBER: PCT/US95/04063
; FILING DATE: 30-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bonham, David B.
; REGISTRATION NUMBER: 34297
; REFERENCE/DOCKET NUMBER: 2105/7
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 429-1776
; TELEFAX: (202) 429-0796
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
```

```
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 28:
US-09-978-600-28

Query Match 0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 590 TGCCCCCACCAGCCT 605
Db 1 TGCCCCCACCAGCCT 16

RESULT 476
US-09-864-636A-2557
; Sequence 2557, Application US/09864636A
; Publication No. US20030104378A1
; GENERAL INFORMATION:
; APPLICANT: Third Wave Technologies
; APPLICANT: Allwai, Hatim
; APPLICANT: Bartholomay, Christian
; APPLICANT: Chehak, LuAnne
; TITLE OF INVENTION: Detection of RNA Sequences
; FILE REFERENCE: FORS-04944
; CURRENT APPLICATION NUMBER: US/09/864,636A
; CURRENT FILING DATE: 2002-10-15
; NUMBER OF SEQ ID NOS: 2640
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2557
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-864-636A-2557

Query Match 0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 544 GCCCTGCTGCAGGCA 559
Db 1 GCCCTGCTGCAGGCA 16

RESULT 477
US-10-297-068-108
; Sequence 108, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 13140P1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 108
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```

;
; FEATURE:
;
; OTHER INFORMATION: Description of Artificial Sequence:capture
;

```

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1182 TCTATAGGTGAGTGTT 1197  
||||| ||||| ||||| ||||| |||||  
Db 3 TCTACGGGTGAGTGTT 18

## RESULT 482

US-10-297-068-598  
; Sequence 598, Application US/10297068  
; Publication No. US20030228595A1  
; GENERAL INFORMATION:  
; APPLICANT: INOKO, Hidetoshi  
; APPLICANT: KAGIYA, Taeko  
; APPLICANT: ICHIHARA, Tatsuo  
; APPLICANT: Matsumura, Yoshiyuki  
; APPLICANT: MORIYA, Shogo  
; APPLICANT: NISHIDA, Michio  
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES  
; FILE REFERENCE: 1314OP1174  
; CURRENT APPLICATION NUMBER: US/10/297,068  
; CURRENT FILING DATE: 2002-11-27  
; PRIOR APPLICATION NUMBER: JP 2000-164798  
; PRIOR FILING DATE: 2000-06-01  
; NUMBER OF SEQ ID NOS: 1298  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 598  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: capture  
US-10-297-068-598

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1182 TCTATAGGTGAGTGTT 1197  
||||| ||||| ||||| ||||| |||||  
Db 3 TCTACGGGTGAGTGTT 18

## RESULT 483

US-10-388-263-187  
; Sequence 187, Application US/10388263  
; Publication No. US20030228597A1  
; GENERAL INFORMATION:  
; APPLICANT: Cowsett, Lex M.  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: McNeil, John  
; APPLICANT: Freier, Susan M.  
; APPLICANT: Sasmor, Henri M.  
; APPLICANT: Brooks, Douglas G.  
; APPLICANT: Ohashi, Cara  
; APPLICANT: Wyatt, Jacqueline R.  
; APPLICANT: Borchers, Alexander  
; APPLICANT: Vickers, Timothy A.  
; TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR  
; MODULATION BY OLIGONUCLEOTIDES AND  
; GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION  
; FILE REFERENCE: ISIS-4503  
; CURRENT APPLICATION NUMBER: US/10/388,263  
; CURRENT FILING DATE: 2003-03-12  
; NUMBER OF SEQ ID NOS: 947  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 187  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence

## FEATURE:

; OTHER INFORMATION: Antisense Oligonucleotide  
US-10-388-263-187

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 257 ACCTCTGGGTGGCT 272  
||||| ||||| ||||| ||||| |||||  
Db 3 ATCTCTGGGTGTCT 18

## RESULT 484

US-10-271-602B-103/c  
; Sequence 103, Application US/10271602B  
; Publication No. US20040002073A1  
; GENERAL INFORMATION:  
; APPLICANT: Alice Xiang Li  
; APPLICANT: Ghazala Hashmi  
; APPLICANT: Michael Seul  
; TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI  
; BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION  
; FILE REFERENCE: eMAP-US  
; CURRENT APPLICATION NUMBER: US/10/271,602B  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: 60/329,427  
; PRIOR FILING DATE: 2001-10-14  
; PRIOR APPLICATION NUMBER: 60/329,620  
; PRIOR FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: 60/329,428  
; PRIOR FILING DATE: 2001-10-14  
; PRIOR APPLICATION NUMBER: 60/329,619  
; PRIOR FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: 60/364,416  
; PRIOR FILING DATE: 2002-03-14  
; NUMBER OF SEQ ID NOS: 212  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 103  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Probe sequence derived from human genomic sequence  
US-10-271-602B-103

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 197 ACCCGACGCGACGA 212  
||||| ||||| ||||| ||||| |||||  
Db 17 ACCAGACGCGCTACGA 2

## RESULT 485

US-10-277-216-178/c  
; Sequence 178, Application US/10277216  
; Publication No. US20040002470A1  
; GENERAL INFORMATION:  
; APPLICANT: KEITH, TIM  
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,  
; OBESITY, AND INFLAMMATORY BOWEL DISEASE  
; FILE REFERENCE: 2976-4051  
; CURRENT APPLICATION NUMBER: US/10/277,216  
; CURRENT FILING DATE: 2002-10-17  
; PRIOR APPLICATION NUMBER: 10/126,022  
; PRIOR FILING DATE: 2002-04-19  
; PRIOR APPLICATION NUMBER: 09/834,597  
; PRIOR FILING DATE: 2001-04-13  
; PRIOR APPLICATION NUMBER: 09/548,797  
; PRIOR FILING DATE: 2000-04-13  
; NUMBER OF SEQ ID NOS: 420

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 178
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-277-216-178

Query Match          0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 725 AGCAGGGGCGCTGGCT 740
Db 16 AGCAGAGGGCGATGGCT 1

RESULT 486
US-10-388-329-2
; Sequence 2, Application US/10388329
; Publication No. US20040002093A1
; GENERAL INFORMATION:
; APPLICANT: SHI, LIANG
; TITLE OF INVENTION: NUCLEIC ACID DETECTION METHOD
; FILE REFERENCE: 109845.191US2; TMKI-0200US
; CURRENT APPLICATION NUMBER: US/10/388,329
; CURRENT FILING DATE: 2003-03-13
; PRIOR APPLICATION NUMBER: 60/364,230
; PRIOR FILING DATE: 2002-03-13
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-388-329-2

Query Match          0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 651 CCAAGACCTGCTGGG 666
Db 1 CCAGGACCTGCTGAG 16

RESULT 487
US-10-168-771-85
; Sequence 85, Application US/10168771
; Publication No. US20030148974A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; APPLICANT: Richard A. Roth
; APPLICANT: ISIS PHARMACEUTICALS, INC.
; APPLICANT: LELAND STANFORD JUNIOR UNIVERSITY
; TITLE OF INVENTION: ANTISENSE MODULATION OF Akt-3 EXPRESSION
; FILE REFERENCE: RTSP-0322
; CURRENT APPLICATION NUMBER: US/10/168,771
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: 09/474,922
; PRIOR FILING DATE: 1999-12-29
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 85
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide

US-10-168-771-85

Query Match          0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 991 TTCAGATCCGGCTGG 1006
Db 2 TTCAGCTCCAGCTGG 17

RESULT 489
US-10-133-779-117/c
; Sequence 117, Application US/10133779
; Publication No. US20030165884A1
; GENERAL INFORMATION:
; APPLICANT: Chow, Robert
; APPLICANT: Tonai, Richard
; APPLICANT: StemCyte, Inc.
; TITLE OF INVENTION: High Throughput Methods of HLA Typing
; FILE REFERENCE: 020035-000210US
; CURRENT APPLICATION NUMBER: US/10/133,779
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US/09/747,391
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/172,768

US-10-168-771-85

Query Match          0.9%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 375 CCAGCTTCTCCAGAG 390
Db 2 CCAGTTTACTCCAGAG 17

RESULT 488
US-10-300-215-160
; Sequence 160, Application US/10300215
; Publication No. US20030153043A1
; GENERAL INFORMATION:
; APPLICANT: CAIR, Francis Joseph
; APPLICANT: ADAIR, Fiona Suzanne
; APPLICANT: HAMILTON, Anita Anne
; APPLICANT: CARTER, Graham
; TITLE OF INVENTION: METHOD FOR THE PRODUCTION OF
; FILE REFERENCE: MER-104-Con.1
; CURRENT APPLICATION NUMBER: US/10/300,215
; CURRENT FILING DATE: 2002-11-20
; PRIOR APPLICATION NUMBER: US 09/438,136
; PRIOR FILING DATE: 1999-11-10
; PRIOR APPLICATION NUMBER: WO PCT/GB98/01473
; PRIOR FILING DATE: 1998-05-21
; PRIOR APPLICATION NUMBER: GB 9710480.6
; PRIOR FILING DATE: 1997-05-21
; PRIOR APPLICATION NUMBER: GB 9716197.0
; PRIOR FILING DATE: 1997-07-31
; PRIOR APPLICATION NUMBER: GB 9725270.4
; PRIOR FILING DATE: 1997-11-28
; PRIOR APPLICATION NUMBER: GB 9807751.4
; PRIOR FILING DATE: 1998-04-14
; PRIOR APPLICATION NUMBER: US 60/067,235
; PRIOR FILING DATE: 1997-12-02
; NUMBER OF SEQ ID NOS: 254
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 160
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-10-300-215-160
```

; PRIOR FILING DATE: 1999-12-20  
 ; NUMBER OF SEQ ID NOS: 278  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 117  
 ; LENGTH: 18  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-133-779-117

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
 Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 527 CGGAGGAGCAGCTGGG 542  
 Db 17 CGCGGAGCAGCTGAG 2

RESULT 490  
 US-10-133-779-132/c  
 ; Sequence 132, Application US/10133779  
 ; Publication No. US20030165894A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Chow, Robert  
 ; APPLICANT: Tonai, Richard  
 ; APPLICANT: StemCyte, Inc.  
 ; TITLE OF INVENTION: High Throughput Methods of HLA Typing  
 ; FILE REFERENCE: 020035-000210US  
 ; CURRENT APPLICATION NUMBER: US/10/133,779  
 ; PRIOR FILING DATE: 2002-04-25  
 ; PRIOR APPLICATION NUMBER: US/09/747,391  
 ; PRIOR FILING DATE: 2001-07-13  
 ; PRIOR APPLICATION NUMBER: US 60/172,768  
 ; PRIOR FILING DATE: 1999-12-20  
 ; NUMBER OF SEQ ID NOS: 278  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 132  
 ; LENGTH: 18  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-133-779-132

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
 Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 197 ACCGAGCGCGGACGA 212  
 Db 17 ACCAGGAGCGCTACGA 2

RESULT 491  
 US-10-302-551-9/c  
 ; Sequence 9, Application US/10302551  
 ; Publication No. US20030175756A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ROZZELLE, James  
 ; APPLICANT: BOLCHAKOVA, Elena  
 ; TITLE OF INVENTION: THERMUS IGNITERAE NUCLEIC ACID POLYMERASES  
 ; FILE REFERENCE: 4776US  
 ; CURRENT APPLICATION NUMBER: US/10/302,551  
 ; PRIOR FILING DATE: 2002-11-22  
 ; PRIOR APPLICATION NUMBER: US 60/334,435  
 ; PRIOR FILING DATE: 2001-11-30  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 9  
 ; LENGTH: 18  
 ; TYPE: DNA  
 ; ORGANISM: Thermus igniterae  
 US-10-302-551-9

Query Match 0.9%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 1257 AGCCAGGTTGAGGCC 1272  
 Db 16 AGCCAGGTTGAGGCC 1

RESULT 492  
 US-10-394-058-6  
 ; Sequence 6, Application US/10394058  
 ; Publication No. US20030181662A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Althaus, Harald  
 ; APPLICANT: Hauser, Hans-Peter  
 ; TITLE OF INVENTION: Human Procalcitonin and the Preparation and Use Thereof  
 ; FILE REFERENCE: 05552.1445-00  
 ; CURRENT APPLICATION NUMBER: US/10/394,058  
 ; CURRENT FILING DATE: 2003-03-24  
 ; PRIOR APPLICATION NUMBER: US/09/742,373  
 ; PRIOR FILING DATE: 2000-12-22  
 ; PRIOR APPLICATION NUMBER: 19962434.8  
 ; PRIOR FILING DATE: 1999-12-22  
 ; PRIOR APPLICATION NUMBER: 10016278.9  
 ; PRIOR FILING DATE: 2000-04-03  
 ; PRIOR APPLICATION NUMBER: 10027954.6  
 ; PRIOR FILING DATE: 2000-06-08  
 ; NUMBER OF SEQ ID NOS: 12  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 6  
 ; LENGTH: 18  
 ; TYPE: DNA  
 ; ORGANISM: Unknown Organism  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Unknown Organism: Primer, Non  
 ; OTHER INFORMATION: genomic DNA  
 US-10-394-058-6

Query Match 0.9%; Score 12.8; DB 1; Length 18;  
 Best Local Similarity 87.5%; Pred. No. 3.9e+02;  
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 833 TGAAGCTTTAGTTGG 848  
 Db 2 TGAAGCTTTAGTTGG 17

RESULT 493  
 US-10-084-839-2557  
 ; Sequence 2557, Application US/10084839  
 ; Publication No. US20030186238A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Third Wave Technologies  
 ; APPLICANT: Allawi, Hatim  
 ; APPLICANT: Argue, Brad T.  
 ; APPLICANT: Bartholomay, Christian T.  
 ; APPLICANT: Chehak, LuAnne  
 ; APPLICANT: Curtis, Michelle L.  
 ; APPLICANT: Eis, Peggy S.  
 ; APPLICANT: Hall, Jeff G.  
 ; APPLICANT: Ip, Hon S.  
 ; APPLICANT: Ji, Lin  
 ; APPLICANT: Kaiser, Michael  
 ; APPLICANT: Kwiatkowski, Jr., Robert W.  
 ; APPLICANT: Lukowiak, Andrew A.  
 ; APPLICANT: Lyamichiev, Victor  
 ; APPLICANT: Lymaicheva, Natalie E.  
 ; APPLICANT: Ma, WuPo  
 ; APPLICANT: Neri, Bruce P.  
 ; APPLICANT: Olson, Sarah M.  
 ; APPLICANT: Olson-Munoz, Marilyn C.  
 ; APPLICANT: Schaefer, James J.  
 ; APPLICANT: Skrzypczynski, Zbigniew



Query Match	Best Local Similarity	Score	DB 1	Length	DB 2	Length	DB 3	Length	DB 4	Length	DB 5	Length	DB 6	Length	DB 7	Length	DB 8	Length	DB 9	Length	DB 10	Length	DB 11	Length	DB 12	Length	DB 13	Length	DB 14	Length	DB 15	Length	DB 16	Length	DB 17	Length	DB 18	Length	DB 19	Length	DB 20	Length	DB 21	Length	DB 22	Length	DB 23	Length	DB 24	Length	DB 25	Length	DB 26	Length	DB 27	Length	DB 28	Length	DB 29	Length	DB 30	Length	DB 31	Length	DB 32	Length	DB 33	Length	DB 34	Length	DB 35	Length	DB 36	Length	DB 37	Length	DB 38	Length	DB 39	Length	DB 40	Length	DB 41	Length	DB 42	Length	DB 43	Length	DB 44	Length	DB 45	Length	DB 46	Length	DB 47	Length	DB 48	Length	DB 49	Length	DB 50	Length	DB 51	Length	DB 52	Length	DB 53	Length	DB 54	Length	DB 55	Length	DB 56	Length	DB 57	Length	DB 58	Length	DB 59	Length	DB 60	Length	DB 61	Length	DB 62	Length	DB 63	Length	DB 64	Length	DB 65	Length	DB 66	Length	DB 67	Length	DB 68	Length	DB 69	Length	DB 70	Length	DB 71	Length	DB 72	Length	DB 73	Length	DB 74	Length	DB 75	Length	DB 76	Length	DB 77	Length	DB 78	Length	DB 79	Length	DB 80	Length	DB 81	Length	DB 82	Length	DB 83	Length	DB 84	Length	DB 85	Length	DB 86	Length	DB 87	Length	DB 88	Length	DB 89	Length	DB 90	Length	DB 91	Length	DB 92	Length	DB 93	Length	DB 94	Length	DB 95	Length	DB 96	Length	DB 97	Length	DB 98	Length	DB 99	Length	DB 100	Length	DB 101	Length	DB 102	Length	DB 103	Length	DB 104	Length	DB 105	Length	DB 106	Length	DB 107	Length	DB 108	Length	DB 109	Length	DB 110	Length	DB 111	Length	DB 112	Length	DB 113	Length	DB 114	Length	DB 115	Length	DB 116	Length	DB 117	Length	DB 118	Length	DB 119	Length	DB 120	Length	DB 121	Length	DB 122	Length	DB 123	Length	DB 124	Length	DB 125	Length	DB 126	Length	DB 127	Length	DB 128	Length	DB 129	Length	DB 130	Length	DB 131	Length	DB 132	Length	DB 133	Length	DB 134	Length	DB 135	Length	DB 136	Length	DB 137	Length	DB 138	Length	DB 139	Length	DB 140	Length	DB 141	Length	DB 142	Length	DB 143	Length	DB 144	Length	DB 145	Length	DB 146	Length	DB 147	Length	DB 148	Length	DB 149	Length	DB 150	Length	DB 151	Length	DB 152	Length	DB 153	Length	DB 154	Length	DB 155	Length	DB 156	Length	DB 157	Length	DB 158	Length	DB 159	Length	DB 160	Length	DB 161	Length	DB 162	Length	DB 163	Length	DB 164	Length	DB 165	Length	DB 166	Length	DB 167	Length	DB 168	Length	DB 169	Length	DB 170	Length	DB 171	Length	DB 172	Length	DB 173	Length	DB 174	Length	DB 175	Length	DB 176	Length	DB 177	Length	DB 178	Length	DB 179	Length	DB 180	Length	DB 181	Length	DB 182	Length	DB 183	Length	DB 184	Length	DB 185	Length	DB 186	Length	DB 187	Length	DB 188	Length	DB 189	Length	DB 190	Length	DB 191	Length	DB 192	Length	DB 193	Length	DB 194	Length	DB 195	Length	DB 196	Length	DB 197	Length	DB 198	Length	DB 199	Length	DB 200	Length	DB 201	Length	DB 202	Length	DB 203	Length	DB 204	Length	DB 205	Length	DB 206	Length	DB 207	Length	DB 208	Length	DB 209	Length	DB 210	Length	DB 211	Length	DB 212	Length	DB 213	Length	DB 214	Length	DB 215	Length	DB 216	Length	DB 217	Length	DB 218	Length	DB 219	Length	DB 220	Length	DB 221	Length	DB 222	Length	DB 223	Length	DB 224	Length	DB 225	Length	DB 226	Length	DB 227	Length	DB 228	Length	DB 229	Length	DB 230	Length	DB 231	Length	DB 232
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```
RESULT 502
US-10-103-614A-1
; Sequence 1, Application US/10103614A
; Publication No. US20030059796A1
; GENERAL INFORMATION:
; APPLICANT: SALMAN AL-MAHMOOD
; TITLE OF INVENTION: METHOD FOR IDENTIFYING NOVEL GENES INVOLVED IN THE
; TITLE OF INVENTION: REGULATION OF ANGIOGENESIS, STUDY OF SAID GENES AND USE
; TITLE OF INVENTION: THEREOF FOR THERAPEUTIC PURPOSES
; FILE REFERENCE: 1071-02
; CURRENT APPLICATION NUMBER: US/10/103,614A
; CURRENT FILING DATE: 2002-08-22
; PRIOR APPLICATION NUMBER: PCT/FR00/02607
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: FR 99/11790
; PRIOR FILING DATE: 1999-09-21
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-103-614A-1

Query Match      0.9%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1145 TTTTTCCTTTGG 1156
Db 1 TTTTTCCTTTGG 14

RESULT 503
US-10-301-844-23
; Sequence 23, Application US/10301844
; Publication No. US20030100747A1
; GENERAL INFORMATION:
; APPLICANT: Ruddy, David A.
; TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds, LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/301,844
; FILING DATE: 20-No. US20030100747A1-2002
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/852,495C
; FILING DATE: 07-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0057-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
```

```
TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-301-844-23

Query Match      0.9%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1143 CTTTTTCTTTTT 1156
Db 1 CTTTTTCTTTTT 14

RESULT 504
US-09-504-231A-695/c
; Sequence 695, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELI
; TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 695
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-695

Query Match      0.9%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 13 GAGGTGGATTAAAC 26
Db 14 GAGGTGGATCAAC 1

RESULT 505
US-09-274-553D-695/c
; Sequence 695, Application US/09274553D
; Patent No. US20020082225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS REL
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; FILE REFERENCE: ipd 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 695
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-695

Query Match          0.9%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 13 GAGGTGGATTAAAC 26
Db 14 GAGGTGGATCAAAAC 1

RESULT 506
US-09-754-066-17
; Sequence 17, Application US/09754066
; Publication No. US20030013669A1
; GENERAL INFORMATION:
; APPLICANT: BURCOGLU, ARSINUR
; TITLE OF INVENTION: METHOD OF TREATING HIV INFECTION
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/754,066
; FILING DATE: 05-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/848,013
; FILING DATE: 2001-05-07
; APPLICATION NUMBER: 07/830,886
; FILING DATE: 04-FEB-1992
; APPLICATION NUMBER: 07/748,277
; FILING DATE: 21-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A
; REGISTRATION NUMBER: 32141
; REFERENCE/DOCKET NUMBER: 02939.04541
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
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; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-09-754-066-17

Query Match          0.9%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1057 CCTGGCCTTCCCAT 1070
Db 1 CCTGGCCTTCCCTT 14

RESULT 507
US-09-880-313A-212
; Sequence 212, Application US/09880313A
; Publication No. US20030044791A1
; GENERAL INFORMATION:
; APPLICANT: Flemington, Erik K
; TITLE OF INVENTION: Adaptors and Methods of Use
; FILE REFERENCE: 9397/1000
; CURRENT APPLICATION NUMBER: US/09/880,313A
; CURRENT FILING DATE: 2001-06-13
; NUMBER OF SEQ ID NOS: 276
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 212
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-880-313A-212

Query Match          0.9%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 803 GCTCCTCGAGCCG 816
Db 2 GCACCTCGAGCCG 15

RESULT 508
US-10-188-404-31
; Sequence 31, Application US/10188404
; Publication No. US20030105286A1
; GENERAL INFORMATION:
; APPLICANT: Egholm, Michael
; APPLICANT: Neilsen, Peter
; APPLICANT: Buchardt, Ole
; APPLICANT: Dueholm, Kim L.
; APPLICANT: Christensen, Leif
; APPLICANT: Coull, James M.
; APPLICANT: Kiely, John
; APPLICANT: Griffith, Michael
; TITLE OF INVENTION: Linked Peptide Nucleic Acids
; FILE REFERENCE: ISIS5042
; CURRENT APPLICATION NUMBER: US/10/188,404
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: 08/275,951
; PRIOR FILING DATE: 1994-07-15
; PRIOR APPLICATION NUMBER: 08/765,798
; PRIOR FILING DATE: 1997-04-23
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
; NAME/KEY: misc_feature
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; LOCATION: (6)...(7)
; OTHER INFORMATION: Lysine, Amino Hexanoic Acid, Lysine,
; OTHER INFORMATION: Amino Hexanoic Acid, Lysine Linkage
US-10-189-404-31

Query Match      0.9%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1142 CCTTTTCTTTT 1155
Db 2 CTTTCTTTTCTTT 15

RESULT 509
US-09-829-855-179/c
; Sequence 179, Application US/09829855
; Patent No. US20020065609A1
; GENERAL INFORMATION:
; APPLICANT: Matthew, Ashby N.
; TITLE OF INVENTION: Methods for the Survey and Genetic Analysis of Populations
; FILE REFERENCE: ASHBY-1
; CURRENT APPLICATION NUMBER: US/09/829,855
; CURRENT FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: US 60/196063
; PRIOR FILING DATE: 2000-04-10
; PRIOR APPLICATION NUMBER: US 60/196258
; PRIOR FILING DATE: 2000-04-11
; NUMBER OF SEQ ID NOS: 244
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 179
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Uncultured Acidobacterium Sub.Div-1
US-09-829-855-179

Query Match      0.9%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 3.8e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 890 AGTCGCGGTACG 903
Db 16 AGTCGCGGTACG 3

RESULT 510
US-09-877-478-1819/c
; Sequence 1819, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04

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; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1819
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-1819

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 528 GGAGGAGCGCTGG 541
Db 16 GGAGGAGCGCTGG 3

RESULT 511
US-09-788-362-3
; Sequence 3, Application US/09788362
; Patent No. US20020009731A1
; GENERAL INFORMATION:
; APPLICANT: Muramatsu, Takamichi
; APPLICANT: Fujita, Takeshi
; APPLICANT: Kiyama, Masaharu
; APPLICANT: Irie, Takashi
; TITLE OF INVENTION: PREPARATION METHOD OF NUCLEIC ACID SAMPLE FOR RARE
; TITLE OF INVENTION: EXPRESSED GENES AND ANALYZING METHOD USING THE PREPARED
; TITLE OF INVENTION: NUCLEIC ACID SAMPLES THEREBY
; FILE REFERENCE: NIT-129-03
; CURRENT APPLICATION NUMBER: US/09/788,362
; CURRENT FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: 09/313,637
; PRIOR FILING DATE: 1999-05-18
; PRIOR APPLICATION NUMBER: JP 10-153651
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 3
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
US-09-788-362-3

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTCTTTCTTTTG 1157
Db 4 TTTTCTTTCTTTTG 17

RESULT 512
US-09-866-108-831
; Sequence 831, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7

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;; CURRENT APPLICATION NUMBER: US/09/866,108  
;; CURRENT FILING DATE: 2001-05-25  
;; PRIOR APPLICATION NUMBER: US 60/207,456  
;; PRIOR FILING DATE: 2000-05-26  
;; PRIOR APPLICATION NUMBER: GB 24263.6  
;; PRIOR FILING DATE: 2000-10-04  
;; PRIOR APPLICATION NUMBER: US 60/236,359  
;; PRIOR FILING DATE: 2000-09-27  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00662  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00661  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,687  
;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 60/266,860  
;; PRIOR FILING DATE: 2001-02-05  
;; NUMBER OF SEQ ID NOS: 15752  
;; SOFTWARE: Aecomica Sequence Listing Engine  
;; SEQ ID NO 831  
;; LENGTH: 17  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-09-866-108-831

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 365 TCTTGGGGGCCCG 378  
|||||  
Db 4 TCTTGGGGGCCCG 17

RESULT 513  
US-09-866-108-832  
;; Sequence 832, Application US/09866108  
;; Patent No. US20020048800A1  
;; GENERAL INFORMATION:  
;; APPLICANT: GU, Yizhong  
;; APPLICANT: JI, Yonggang  
;; APPLICANT: PENN, Sharron G.  
;; APPLICANT: HANZEL, David K.  
;; APPLICANT: RANK, David R.  
;; APPLICANT: CHEN, Wensheng  
;; APPLICANT: SHANNON, Mark  
;; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
;; FILE REFERENCE: AROMICA-7  
;; CURRENT APPLICATION NUMBER: US/09/866,108  
;; CURRENT FILING DATE: 2001-05-25  
;; PRIOR APPLICATION NUMBER: US 60/207,456  
;; PRIOR FILING DATE: 2000-05-26  
;; PRIOR APPLICATION NUMBER: GB 24263.6  
;; PRIOR FILING DATE: 2000-10-04  
;; PRIOR APPLICATION NUMBER: US 60/236,359  
;; PRIOR FILING DATE: 2000-09-27  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30

;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00662  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00661  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,687  
;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 60/266,860  
;; PRIOR FILING DATE: 2001-02-05  
;; NUMBER OF SEQ ID NOS: 15752  
;; SOFTWARE: Aecomica Sequence Listing Engine  
;; SEQ ID NO 832  
;; LENGTH: 17  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-09-866-108-832

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 365 TCTTGGGGGCCCG 378  
|||||  
Db 3 TCTTGGGGGCCCG 16

RESULT 514  
US-09-866-108-833  
;; Sequence 833, Application US/09866108  
;; Patent No. US20020048800A1  
;; GENERAL INFORMATION:  
;; APPLICANT: GU, Yizhong  
;; APPLICANT: JI, Yonggang  
;; APPLICANT: PENN, Sharron G.  
;; APPLICANT: HANZEL, David K.  
;; APPLICANT: RANK, David R.  
;; APPLICANT: CHEN, Wensheng  
;; APPLICANT: SHANNON, Mark  
;; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
;; FILE REFERENCE: AROMICA-7  
;; CURRENT APPLICATION NUMBER: US/09/866,108  
;; CURRENT FILING DATE: 2001-05-25  
;; PRIOR APPLICATION NUMBER: US 60/207,456  
;; PRIOR FILING DATE: 2000-05-26  
;; PRIOR APPLICATION NUMBER: GB 24263.6  
;; PRIOR FILING DATE: 2000-10-04  
;; PRIOR APPLICATION NUMBER: US 60/236,359  
;; PRIOR FILING DATE: 2000-09-27  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 833  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-833

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 365 TCTTGGGGGCCAG 378  
|||||||  
Db 2 TCTTGGGGGCCAG 15

RESULT 515  
US-09-866-108-834  
; Sequence 834, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEMICA-7  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 834  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-834

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 365 TCTTGGGGGCCAG 378  
|||||||  
Db 1 TCTTGGGGGCCAG 14

RESULT 516  
US-09-866-108-2184/c  
; Sequence 2184, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEMICA-7  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 2184  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-2184

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 882 GTTCCAGGAGCTGC 895  
|||  
Db 17 GTTCCAGGAGCTGC 4

RESULT 517

US-09-866-108-2185/c  
 / Sequence 2185, Application US/09866108  
 / Patent No. US20020048800A1  
 / GENERAL INFORMATION:  
 / APPLICANT: GU, Yizhong  
 / APPLICANT: JI, Yonggang  
 / APPLICANT: PENN, Sharron G.  
 / APPLICANT: HANZEL, David K.  
 / APPLICANT: RANK, David R.  
 / APPLICANT: CHEN, Wensheng  
 / APPLICANT: SHANNON, Mark  
 / TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
 / FILE REFERENCE: 350343

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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/006666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/006670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,697
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aecomica Sequence Listing Engine
SEQ ID NO 2185

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LENGTH: 17

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2185

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Query Match	0.9%	Score 12.4;	DB 1;	Length 17;
Best Local Similarity	92.9%	Pred. NO. 4.2e+02;		
Matches 13; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

QY 882 GTTCCAGGAGCTGC 895  
|||  
Db 16 GTTCCAGGAGCTGC 3

RESULT 518

US-09-866-108-2186/c

Sequence 2186, Application US/09866108

Patent No. US20020048800A1

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: PENN, Sharron G.

APPLICANT: HANZEL, David K.

APPLICANT: RANK, David R.

APPLICANT: CHEN, Wensheng

APPLICANT: SHANNON, Mark

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEMICA-7

CURRENT APPLICATION NUMBER: US/09/866,108

CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 60/266,860

PRIOR FILING DATE: 2001-02-05

NUMBER OF SEQ ID NOS: 15752

SOFTWARE: Aemica Sequence Listing Engine

SEQ ID NO 2186

LENGTH: 17

TYPE: DNA

ORGANISM: Homo sapiens

US-09-866-108-2186

Query Match 0.9%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred.No. 4.2e-02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 882 GTTCCAGGAGCTGC 895

db 15 GTTCCAGGACCTGC 2

RESULT 519

US-09-866-108-2187/c  
; Sequence 2187, Application US/09866108  
; Patent No. US2002004800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharon G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng

/ GENERAL INFORMATION:  
 / APPLICANT: GU, Yizhong  
 / APPLICANT: JI, Yonggang  
 / APPLICANT: PENN, Sharron G.  
 / APPLICANT: HANZEL, David K.  
 / APPLICANT: RANK, David R.  
 / APPLICANT: CHEN, Wensheng  
 / APPLICANT: SHANNON, Mark  
 / TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
 / FILE REFERENCE: AEOICA-7  
 / CURRENT APPLICATION NUMBER: US/09/866,108  
 / CURRENT FILING DATE: 2001-05-25  
 / PRIOR APPLICATION NUMBER: US 60/207,456  
 / PRIOR FILING DATE: 2000-05-26  
 / PRIOR APPLICATION NUMBER: GB 24263.6  
 / PRIOR FILING DATE: 2000-10-04  
 / PRIOR APPLICATION NUMBER: US 60/236,359

```

? APPLICANT: GU, Yizhong
? APPLICANT: JI, Yonggang
? APPLICANT: PENN, Sharron G.
? APPLICANT: HANZEL, David K.
? APPLICANT: RANK, David R.
? APPLICANT: CHEN, Wensheng
? APPLICANT: SHANNON, Mark
? TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRES
? CURRENT APPLICATION NUMBER: US/09/866,108
? CURRENT FILING DATE: 2001-05-25
? PRIOR APPLICATION NUMBER: US 60/207,456
? PRIOR FILING DATE: 2000-05-26
? PRIOR APPLICATION NUMBER: GB 24263.6
? PRIOR FILING DATE: 2000-10-04
? PRIOR APPLICATION NUMBER: US 60/236,359
? PRIOR FILING DATE: 2000-09-27
? PRIOR APPLICATION NUMBER: PCT/US01/00666
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00667
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00664
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00669
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00665

```

```
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 6317
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-6317
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Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 573 CCAGCAGGCCCTCC 586
Db 3 CCAGCAGGCCCTGC 16
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RESULT 522
US-09-866-108-6318
; Sequence 6318, Application US/09866108
; Patent No. US20020048600A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 6318
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-6318
```

```
Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 573 CCAGCAGGCCCTCC 586
Db 2 CCAGCAGGCCCTGC 15
```

```
RESULT 523
US-09-866-108-6319
; Sequence 6319, Application US/09866108
; Patent No. US20020048600A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 6319
; LENGTH: 17
; TYPE: DNA
```





```
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOmica-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7284
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7284

Query Match          0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      629 AGCTCCAGGAGCTC 642
Db      4 AGGTCCAGGAGCTC 17
      |||||
RESULT 527
US-09-866-108-7285
; Sequence 7285, Application US/09866108
; Patent No. US2002004800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOmica-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
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; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7285
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7285

Query Match          0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      629 AGCTCCAGGAGCTC 642
Db      3 AGGTCCAGGAGCTC 16
      |||||
RESULT 528
US-09-866-108-7286
; Sequence 7286, Application US/09866108
; Patent No. US2002004800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOmica-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
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; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 7286  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-7286

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 629 AGCTCCAGGAGCTC 642  
||| |||||  
Db 2 AGCTCCAGGAGCTC 15

## RESULT 529

US-09-866-108-7287  
; Sequence 7287, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AECOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; PRIOR FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 7287  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-7287

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 629 AGCTCCAGGAGCTC 642  
||| |||||  
Db 1 AGCTCCAGGAGCTC 14

## RESULT 530

US-09-866-108-7614/c  
; Sequence 7614, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AECOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; PRIOR FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine





; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 8380  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-8380

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 568 CTGCTCCAGCAGGC 581  
Db 16 CTGCTCCAGCTGC 3

RESULT 536  
US-09-866-108-8385/c  
; Sequence 8385, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
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; PRIOR APPLICATION NUMBER: PCT/US01/00669  
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; PRIOR APPLICATION NUMBER: PCT/US01/00665  
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; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 8385  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-8385

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 564 CACACTGCTCCAGC 577  
Db 15 CACTGCTCCAGC 2

RESULT 537  
US-09-866-108-8386/c  
; Sequence 8386, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860

; PRIOR FILING DATE: 2001-02-05  
 ; NUMBER OF SEQ ID NOS: 15752  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 8386  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-866-108-8386

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 564 CACTGCTCCAGC 577  
 Db 14 CACTGCTCCAGC 1

RESULT 538  
 US-09-866-108-9324  
 ; Sequence 9324, Application US/09866108  
 ; Patent No. US20020048800A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GU, Yizhong  
 ; APPLICANT: JI, Yonggang  
 ; APPLICANT: PENN, Sharron G.  
 ; APPLICANT: HANZEL, David K.  
 ; APPLICANT: RANK, David R.  
 ; APPLICANT: CHEN, Wensheng  
 ; APPLICANT: SHANNON, Mark  
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
 ; FILE REFERENCE: ACOMICA-7  
 ; CURRENT APPLICATION NUMBER: US/09/866,108  
 ; CURRENT FILING DATE: 2001-05-25  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 60/266,860  
 ; PRIOR FILING DATE: 2001-02-05  
 ; NUMBER OF SEQ ID NOS: 15752  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 9324  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-866-108-9324

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 Qy 225 TCCTCAGCCTCAGG 238  
 Db 4 TCCTCAGCCTCAGG 17

RESULT 539  
 US-09-866-108-9325  
 ; Sequence 9325, Application US/09866108  
 ; Patent No. US20020048800A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GU, Yizhong  
 ; APPLICANT: JI, Yonggang  
 ; APPLICANT: PENN, Sharron G.  
 ; APPLICANT: HANZEL, David K.  
 ; APPLICANT: RANK, David R.  
 ; APPLICANT: CHEN, Wensheng  
 ; APPLICANT: SHANNON, Mark  
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
 ; FILE REFERENCE: ACOMICA-7  
 ; CURRENT APPLICATION NUMBER: US/09/866,108  
 ; CURRENT FILING DATE: 2001-05-25  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 60/266,860  
 ; PRIOR FILING DATE: 2001-02-05  
 ; NUMBER OF SEQ ID NOS: 15752  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 9325  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-866-108-9325

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 Qy 225 TCCTCAGCCTCAGG 238  
 Db 3 TCCTCAGCCTCAGG 16

RESULT 540  
 US-09-866-108-9326

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; Sequence 9326, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 9326
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-9326

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 225 TCCTCAGCCTCAGG 238
Db 1 TCCTCAGCCCCAGG 14

RESULT 542
US-09-866-108-9806/c
; Sequence 9806, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
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; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 60/266,860  
 ; PRIOR FILING DATE: 2001-02-05  
 ; NUMBER OF SEQ ID NOS: 15752  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 9808  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-866-108-9808

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 693 CCAGCGGCCCTCC 706  
 Db 15 CCAGCGGCCCTTC 2

RESULT 545

US-09-866-108-9809/c  
 ; Sequence 9809, Application US/09866108  
 ; Patent No. US20020048800A1

GENERAL INFORMATION:

; APPLICANT: GU, Yizhong  
 ; APPLICANT: JI, Yonggang  
 ; APPLICANT: PENN, Sharon G.  
 ; APPLICANT: HANZEL, David K.  
 ; APPLICANT: RANK, David R.  
 ; APPLICANT: CHEN, Wensheng  
 ; APPLICANT: SHANNON, Mark  
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
 ; FILE REFERENCE: ACOMICA-7  
 ; CURRENT APPLICATION NUMBER: US/09/866,108  
 ; CURRENT FILING DATE: 2001-05-25  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 60/266,860  
 ; PRIOR FILING DATE: 2001-02-05  
 ; NUMBER OF SEQ ID NOS: 15752  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 9809  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens

US-09-866-108-9809

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 693 CCAGCGGCCCTCC 706  
 Db 14 CCAGCGGCCCTTC 1

RESULT 546

US-09-866-108-10500/c  
 ; Sequence 10500, Application US/09866108  
 ; Patent No. US20020048800A1

GENERAL INFORMATION:

; APPLICANT: GU, Yizhong  
 ; APPLICANT: JI, Yonggang  
 ; APPLICANT: PENN, Sharon G.  
 ; APPLICANT: HANZEL, David K.  
 ; APPLICANT: RANK, David R.  
 ; APPLICANT: CHEN, Wensheng  
 ; APPLICANT: SHANNON, Mark  
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
 ; FILE REFERENCE: ACOMICA-7  
 ; CURRENT APPLICATION NUMBER: US/09/866,108  
 ; CURRENT FILING DATE: 2001-05-25  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 60/266,860  
 ; PRIOR FILING DATE: 2001-02-05  
 ; NUMBER OF SEQ ID NOS: 15752  
 ; SOFTWARE: Acomica Sequence Listing Engine  
 ; SEQ ID NO 10500  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-866-108-10500

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 794 CCCTGGCTCTCTCC 807  
 Db 17 CCCTGGCTCTCTCC 4

```

/ APPLICANT: RANK, David R.
/ APPLICANT: CHEN, Wensheng
/ APPLICANT: SHANNON, Mark
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
/ FILE REFERENCE: AEOmica-7
/ CURRENT APPLICATION NUMBER: US/09/866,108
/ CURRENT FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 60/266,860
/ PRIOR FILING DATE: 2001-02-05
/ NUMBER OF SEQ ID NOS: 15752
/ SOFTWARE: AeoMica Sequence Listing Engine
/ SEQ ID NO 10502
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-866-108-10502

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps

Qy 794 CCTGGCTCGCTCC 807
Db 15 CCTGGCTCTCTCC 2

RESULT 549
US-09-866-108-10503/c
/ Sequence 10503, Application US/09866108
/ Patent No. US20020048800A1
/ GENERAL INFORMATION:
/ APPLICANT: GU, Yizhong
/ APPLICANT: JI, Yonggang
/ APPLICANT: PENN, Sharron G.
/ APPLICANT: HANZEL, David K.
/ APPLICANT: RANK, David R.
/ APPLICANT: CHEN, Wensheng
/ APPLICANT: SHANNON, Mark
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
/ FILE REFERENCE: AEOmica-7
/ CURRENT APPLICATION NUMBER: US/09/866,108
/ CURRENT FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: GB 24263.6

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/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 60/266,860
/ PRIOR FILING DATE: 2001-02-05
/ NUMBER OF SEQ ID NOS: 15752
/ SOFTWARE: Aecomica Sequence Listing Engine
/ SEQ ID NO 10503
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-866-108-10503
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Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
QY 794 CCTGGCTGCTCC 807
Db 14 CCTGGCTGCTCC 1
```

```
RESULT 550
US-09-866-108-10509/c
/ Sequence 10509, Application US/09866108
/ Patent No. US2002004800A1
/ GENERAL INFORMATION:
/ APPLICANT: GU, Yizhong
/ APPLICANT: JI, Yonggang
/ APPLICANT: PENN, Sharron G.
/ APPLICANT: HANZEL, David K.
/ APPLICANT: RANK, David R.
/ APPLICANT: CHEN, Wensheng
/ APPLICANT: SHANNON, Mark
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
/ FILE REFERENCE: AEMICA-7
/ CURRENT APPLICATION NUMBER: US/09/866,108
/ CURRENT FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
```

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/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 60/266,860
/ PRIOR FILING DATE: 2001-02-05
/ NUMBER OF SEQ ID NOS: 15752
/ SOFTWARE: Aecomica Sequence Listing Engine
/ SEQ ID NO 10509
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-866-108-10509
```

```
Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1209 CCTCCCTTCCCTG 1222
Db 17 CCTCCCTTCCCTG 4
```

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RESULT 551
US-09-866-108-10510/c
/ Sequence 10510, Application US/09866108
/ Patent No. US2002004800A1
/ GENERAL INFORMATION:
/ APPLICANT: GU, Yizhong
/ APPLICANT: JI, Yonggang
/ APPLICANT: PENN, Sharron G.
/ APPLICANT: HANZEL, David K.
/ APPLICANT: RANK, David R.
/ APPLICANT: CHEN, Wensheng
/ APPLICANT: SHANNON, Mark
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
/ FILE REFERENCE: AEMICA-7
/ CURRENT APPLICATION NUMBER: US/09/866,108
/ CURRENT FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
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/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
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; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 10510  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-10510

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1209 CCTCCCTTCCTG 1222  
Db 16 CCTCCCTTCCTG 3

## RESULT 552

US-09-866-108-10511/c  
; Sequence 10511, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 10511

; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-10511

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1209 CCTCCCTTCCTG 1222  
Db 15 CCTCCCTTCCTG 2

## RESULT 553

US-09-866-108-10512/c  
; Sequence 10512, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 10512  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-10512

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1209 CCTCCCTTCCTG 1222

Db 14 CTTCCCGTCCCTG 1  
||||| |||||

## RESULT 554

US-09-090-672B-106  
; Sequence 106, Application US/09090672B  
; Patent No. US20020068707A1  
; GENERAL INFORMATION:  
; APPLICANT: Ishiwata, Tetsuyoshi; Sakurada, Mikiko; Nishimura,  
; APPLICANT: Ayako; Nakagawa, Satoshi; Nishi, Tatsunari; Kuga, Tetsuro; Sawada,  
; APPLICANT: Shigemasa; Takei, Masami  
; TITLE OF INVENTION: Iga Nephropathy-Related Genes  
; NUMBER OF SEQUENCES: 111  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fitzpatrick, Cella, Harper & Scinto  
; STREET: 30 Rockefeller Plaza  
; CITY: New York  
; STATE: New York  
; ZIP: 10112-3801  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage  
; COMPUTER: Compaq PC  
; OPERATING SYSTEM: Windows 95  
; SOFTWARE: WordPerfect 8.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/090,672B  
; FILING DATE: 04-JUNE-1998  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/JP97/04468  
; FILING DATE: 05-DEC-1997  
; APPLICATION NUMBER: JP-8-325763  
; FILING DATE: 05-DEC-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Perry, Lawrence S.  
; REGISTRATION NUMBER: 31865  
; REFERENCE/DOCKET NUMBER: 766.21  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 218-2100  
; TELEFAX: (212) 218-2200  
; INFORMATION FOR SEQ ID NO: 106:  
; LENGTH: 17 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid, synthetic DNA  
US-09-090-672B-106

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTG 1157  
||||| |||||  
Db 4 TTTTTCCTTTTG 17

## RESULT 555

US-09-788-338-3  
; Sequence 3, Application US/09788338  
; Patent No. US20020102561A1  
; GENERAL INFORMATION:  
; APPLICANT: MURAMATSU, TAKAMICHI  
; APPLICANT: FUJITA, TAKESHI  
; APPLICANT: KIYAMA, MASAHARU  
; APPLICANT: IRIE, TAKASHI  
; TITLE OF INVENTION: PREPARATION METHOD OF NUCLEIC ACID SAMPLE FOR RARE  
; TITLE OF INVENTION: EXPRESSED GENES AND ANALYZING METHOD USING THE PREPARED  
; TITLE OF INVENTION: NUCLEIC ACID SAMPLES THEREBY  
; FILE REFERENCE: NIT-129-02  
; CURRENT APPLICATION NUMBER: US/09/788,338

; CURRENT FILING DATE: 2001-02-21  
; PRIOR APPLICATION NUMBER: 09/313,637  
; PRIOR FILING DATE: 1999-05-18  
; PRIOR APPLICATION NUMBER: JP 10-153651  
; PRIOR FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA  
US-09-788-338-3

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTG 1157  
||||| |||||  
Db 4 TTTTTCCTTTTG 17

## RESULT 556

US-09-864-785-216/c  
; Sequence 216, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Reli-  
; FILE REFERENCE: 400/022 (MBH00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 216  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-216

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 462 CAGCAGCCTGCAGG 475  
||||| |||||  
Db 17 CAGCAGCCTGCAGG 4

## RESULT 557

US-09-864-785-1521/c  
; Sequence 1521, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Reli-  
; FILE REFERENCE: 400/022 (MBH00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1521  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-1521

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 462 CAGCAGCCTGCAGG 475  
||| |||||  
Db 15 CAGGAGCCTGCAGG 2

## RESULT 558

US-09-864-785-2778/c  
; Sequence 2778, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related  
; FILE REFERENCE: 400/022 (MH800-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2778  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-2778

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 462 CAGCAGCCTGCAGG 475  
||| |||||  
Db 16 CAGGAGCCTGCAGG 3

## RESULT 559

US-09-825-805-408  
; Sequence 408, Application US/09825805  
; Publication No. US20030004122A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Beigelman, Leo  
; APPLICANT: Beaudry, Amber  
; APPLICANT: Karpeisky, Alex  
; APPLICANT: Adamic, Jasenka Matulic  
; APPLICANT: Sweedler, Dave  
; APPLICANT: Zinnen, Shawn  
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot  
; FILE REFERENCE: MH800-831-F (400/009)  
; CURRENT APPLICATION NUMBER: US/09/825,805  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/578,223  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 09/476,387  
; PRIOR FILING DATE: 1999-12-30  
; PRIOR APPLICATION NUMBER: 09/474,432  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/301,511

; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 09/186,675  
; PRIOR FILING DATE: 1998-11-04  
; PRIOR APPLICATION NUMBER: 60/083,727  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/064,866  
; PRIOR FILING DATE: 1997-11-05  
; NUMBER OF SEQ ID NOS: 1558  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 408  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-825-805-408

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 85.7%; Pred. No. 4.2e+02;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 477 GGAGACTGCCGAG 490  
||| |||||  
Db 1 GGAGGAUCCGAG 14

## RESULT 560

US-09-825-805-420  
; Sequence 420, Application US/09825805  
; Publication No. US20030004122A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Beigelman, Leo  
; APPLICANT: Beaudry, Amber  
; APPLICANT: Karpeisky, Alex  
; APPLICANT: Adamic, Jasenka Matulic  
; APPLICANT: Sweedler, Dave  
; APPLICANT: Zinnen, Shawn  
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucle  
; FILE REFERENCE: MH800-831-F (400/009)  
; CURRENT APPLICATION NUMBER: US/09/825,805  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/578,223  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 09/476,387  
; PRIOR FILING DATE: 1999-12-30  
; PRIOR APPLICATION NUMBER: 09/474,432  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/301,511  
; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 09/186,675  
; PRIOR FILING DATE: 1998-11-04  
; PRIOR APPLICATION NUMBER: 60/083,727  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/064,866  
; PRIOR FILING DATE: 1997-11-05  
; NUMBER OF SEQ ID NOS: 1558  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 420  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-825-805-420

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1297 CAGCCTGCCCCAT 1310  
||| |||||  
Db 2 CAGCCUUGCCCAU 15

## RESULT 561

US-09-825-805-556

Sequence 556, Application US/09825805  
Publication No. US20030004122A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals, Inc.  
APPLICANT: Beigelman, Leo  
APPLICANT: Beaudry, Amber  
APPLICANT: Karpeisky, Alex  
APPLICANT: Adamic, Jasenka Matulic  
APPLICANT: Sweedler, Dave  
APPLICANT: Zinnen, Shawn  
TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot  
FILE REFERENCE: MEH800-831-F (400/009)  
CURRENT APPLICATION NUMBER: US/09/825,805  
CURRENT FILING DATE: 2001-09-27  
PRIOR APPLICATION NUMBER: 09/578,223  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 09/476,387  
PRIOR FILING DATE: 1999-12-30  
PRIOR APPLICATION NUMBER: 09/474,432  
PRIOR FILING DATE: 1999-12-29  
PRIOR APPLICATION NUMBER: 09/301,511  
PRIOR FILING DATE: 1999-04-28  
PRIOR APPLICATION NUMBER: 09/186,675  
PRIOR FILING DATE: 1998-11-04  
PRIOR APPLICATION NUMBER: 60/083,727  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/064,866  
PRIOR FILING DATE: 1997-11-05  
NUMBER OF SEQ ID NOS: 1558  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 556  
LENGTH: 17  
TYPE: RNA  
ORGANISM: Homo sapiens  
US-09-825-805-556

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 21.4%; Pred. No. 4.2e+02;  
Matches 3; Conservative 10; Mismatches 1; Indels 0; Gaps 0;

QY 1112 TTTTCGTGTTAAT 1125  
Db 3 UUUUCUGUUUGUU 16

RESULT 562  
US-09-825-805-814/c  
Sequence 814, Application US/09825805  
Publication No. US20030004122A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals, Inc.  
APPLICANT: Beigelman, Leo  
APPLICANT: Beaudry, Amber  
APPLICANT: Karpeisky, Alex  
APPLICANT: Adamic, Jasenka Matulic  
APPLICANT: Sweedler, Dave  
APPLICANT: Zinnen, Shawn  
TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot  
FILE REFERENCE: MEH800-831-F (400/009)  
CURRENT APPLICATION NUMBER: US/09/825,805  
CURRENT FILING DATE: 2001-09-27  
PRIOR APPLICATION NUMBER: 09/578,223  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 09/476,387  
PRIOR FILING DATE: 1999-12-30  
PRIOR APPLICATION NUMBER: 09/474,432  
PRIOR FILING DATE: 1999-12-29  
PRIOR APPLICATION NUMBER: 09/301,511  
PRIOR FILING DATE: 1999-04-28  
PRIOR APPLICATION NUMBER: 09/186,675  
PRIOR FILING DATE: 1998-11-04  
PRIOR APPLICATION NUMBER: 60/083,727  
PRIOR FILING DATE: 1998-04-29

PRIOR APPLICATION NUMBER: 60/064,866  
PRIOR FILING DATE: 1997-11-05  
NUMBER OF SEQ ID NOS: 1558  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 814  
LENGTH: 17  
TYPE: RNA  
ORGANISM: Homo sapiens  
US-09-825-805-814

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 867 GGTCCCGACAGCCA 880  
Db 17 GGTCCCGACAGCCA 4

RESULT 563  
US-09-961-077-139/c  
Sequence 139, Application US/09961077  
Publication No. US20030014775A1  
GENERAL INFORMATION:  
APPLICANT: Zwick, Michael G.  
Edington, Brent E.  
McSwiggen, James A.  
Merlo, Patricia Ann Owens  
Guo, Lining  
Skokut, Thomas A.  
Young, Scott A.  
Folkerts, Otto  
Merlo, Donald J.  
TITLE OF INVENTION: COMPOSITION AND METHODS FOR  
MODULATION OF GENE EXPRESSION  
IN PLANTS

NUMBER OF SEQUENCES: 1263  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
COMPUTER: IBM Compatible  
storage  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: Word Perfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/961,077  
FILING DATE: 21-Sep-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/679,645  
FILING DATE: July 12, 1996  
APPLICATION NUMBER: 60/001,135  
FILING DATE: July 13, 1995  
APPLICATION NUMBER: 08/300,726  
FILING DATE: September 2, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 219/247  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 139:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 base pairs

```

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 139:
US-09-961-077-139

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 884 TCCAGGAGCTCGG 897
Db 14 TCCATGAGTGGG 1

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RESULT 564
US-09-730-289B-393
; Sequence 393, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBH00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 393
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-393

```

```

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 71.4%; Pred. No. 4.2e+02;
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 39 CGCAAAATCTTACG 52
Db 1 CGCAAAAUUUUAC 14

```

```

RESULT 565
US-09-818-875-291/c
; Sequence 291, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 291
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens

```

```

US-09-818-875-291
Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 511 GTCAGGCCCAACCT 524
Db 14 GTCAGGCCCAACCT 1

```

```

RESULT 566
US-09-818-875-292
; Sequence 292, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 292
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-292

```

```

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 511 GTCAGGCCCAACCT 524
Db 4 GTCAGGCCCAACCT 17

```

```

RESULT 567
US-09-877-478-1246/c
; Sequence 1246, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07

```



; PRIOR APPLICATION NUMBER: US 08/433,993  
 ; PRIOR FILING DATE: 1995-05-04  
 ; PRIOR APPLICATION NUMBER: US 08/434,504  
 ; PRIOR FILING DATE: 1995-05-04  
 ; PRIOR APPLICATION NUMBER: US 09/436,430  
 ; PRIOR FILING DATE: 1999-11-08  
 ; NUMBER OF SEQ ID NOS: 6586  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 1246  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Hepatitis B virus  
 ; US-09-877-478-1246

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 409 CTACTAGGGGACCT 422  
 || |||||  
 Db 17 CTCTAGGGGACCT 4

RESULT 568  
 US-09-877-478-1247/c  
 ; Sequence 1247, Application US/09877478  
 ; Publication No. US20030068301A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Draper, Kenneth  
 ; APPLICANT: Blatt, Larry  
 ; APPLICANT: McSwiggen, Jim  
 ; APPLICANT: Morrissey, Dave  
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication  
 ; FILE REFERENCE: MEHB00-845-H (400/029)  
 ; CURRENT APPLICATION NUMBER: US/09/877,478  
 ; CURRENT FILING DATE: 2001-12-31  
 ; PRIOR APPLICATION NUMBER: US 07/882,712  
 ; PRIOR FILING DATE: 1992-05-14  
 ; PRIOR APPLICATION NUMBER: US 09/531,025  
 ; PRIOR FILING DATE: 2000-03-20  
 ; PRIOR APPLICATION NUMBER: US 09/636,385  
 ; PRIOR FILING DATE: 2000-08-09  
 ; PRIOR APPLICATION NUMBER: US 09/696,347  
 ; PRIOR FILING DATE: 2000-10-24  
 ; PRIOR APPLICATION NUMBER: US 08/193,627  
 ; PRIOR FILING DATE: 1994-02-07  
 ; PRIOR APPLICATION NUMBER: US 08/433,993  
 ; PRIOR FILING DATE: 1995-05-04  
 ; PRIOR APPLICATION NUMBER: US 08/434,504  
 ; PRIOR FILING DATE: 1995-05-04  
 ; PRIOR APPLICATION NUMBER: US 09/436,430  
 ; PRIOR FILING DATE: 1999-11-08  
 ; NUMBER OF SEQ ID NOS: 6586  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 1247  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Hepatitis B virus  
 ; US-09-877-478-1247

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 409 CTACTAGGGGACCT 422  
 || |||||  
 Db 16 CTCTAGGGGACCT 3

RESULT 569  
 US-09-877-478-1248/c  
 ; Sequence 1248, Application US/09877478

; Publication No. US20030068301A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Draper, Kenneth  
 ; APPLICANT: Blatt, Larry  
 ; APPLICANT: McSwiggen, Jim  
 ; APPLICANT: Morrissey, Dave  
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication  
 ; FILE REFERENCE: MEHB00-845-H (400/029)  
 ; CURRENT APPLICATION NUMBER: US/09/877,478  
 ; CURRENT FILING DATE: 2001-12-31  
 ; PRIOR APPLICATION NUMBER: US 07/882,712  
 ; PRIOR FILING DATE: 1992-05-14  
 ; PRIOR APPLICATION NUMBER: US 09/531,025  
 ; PRIOR FILING DATE: 2000-03-20  
 ; PRIOR APPLICATION NUMBER: US 09/636,385  
 ; PRIOR FILING DATE: 2000-08-09  
 ; PRIOR APPLICATION NUMBER: US 09/696,347  
 ; PRIOR FILING DATE: 2000-10-24  
 ; PRIOR APPLICATION NUMBER: US 08/193,627  
 ; PRIOR FILING DATE: 1994-02-07  
 ; PRIOR APPLICATION NUMBER: US 08/433,993  
 ; PRIOR FILING DATE: 1995-05-04  
 ; PRIOR APPLICATION NUMBER: US 08/434,504  
 ; PRIOR FILING DATE: 1995-05-04  
 ; NUMBER OF SEQ ID NOS: 6586  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 1248  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Hepatitis B virus  
 ; US-09-877-478-1248

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 409 CTACTAGGGGACCT 422  
 || |||||  
 Db 15 CTCTAGGGGACCT 2

RESULT 570  
 US-09-877-478-1249/c  
 ; Sequence 1249, Application US/09877478  
 ; Publication No. US20030068301A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Draper, Kenneth  
 ; APPLICANT: Blatt, Larry  
 ; APPLICANT: McSwiggen, Jim  
 ; APPLICANT: Morrissey, Dave  
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication  
 ; FILE REFERENCE: MEHB00-845-H (400/029)  
 ; CURRENT APPLICATION NUMBER: US/09/877,478  
 ; CURRENT FILING DATE: 2001-12-31  
 ; PRIOR APPLICATION NUMBER: US 07/882,712  
 ; PRIOR FILING DATE: 1992-05-14  
 ; PRIOR APPLICATION NUMBER: US 09/531,025  
 ; PRIOR FILING DATE: 2000-03-20  
 ; PRIOR APPLICATION NUMBER: US 09/636,385  
 ; PRIOR FILING DATE: 2000-08-09  
 ; PRIOR APPLICATION NUMBER: US 09/696,347  
 ; PRIOR FILING DATE: 2000-10-24  
 ; PRIOR APPLICATION NUMBER: US 08/193,627  
 ; PRIOR FILING DATE: 1994-02-07  
 ; PRIOR APPLICATION NUMBER: US 08/433,993  
 ; PRIOR FILING DATE: 1995-05-04  
 ; PRIOR APPLICATION NUMBER: US 08/434,504  
 ; PRIOR FILING DATE: 1995-05-04  
 ; PRIOR APPLICATION NUMBER: US 09/436,430

; PRIOR FILING DATE: 1999-11-08  
; NUMBER OF SEQ ID NOS: 6586  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1249  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Hepatitis B virus  
US-09-877-478-1249

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 409 CTACTAGGGACCT 422  
Db 14 CTTCTAGGGACCT 1

## RESULT 571

US-09-877-478-1411/c  
; Sequence 1411, Application US/09877478  
; Publication No. US20030068301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Kenneth  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Morrissey, Dave  
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication  
; FILE REFERENCE: MBH00-845-H (400/029)  
; CURRENT APPLICATION NUMBER: US/09/877,478  
; CURRENT FILING DATE: 2001-12-31  
; PRIOR APPLICATION NUMBER: US 07/882,712  
; PRIOR FILING DATE: 1992-05-14  
; PRIOR APPLICATION NUMBER: US 09/531,025  
; PRIOR FILING DATE: 2000-03-20  
; PRIOR APPLICATION NUMBER: US 09/636,385  
; PRIOR FILING DATE: 2000-08-09  
; PRIOR APPLICATION NUMBER: US 09/696,347  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 08/193,627  
; PRIOR FILING DATE: 1994-02-07  
; PRIOR APPLICATION NUMBER: US 08/433,993  
; PRIOR FILING DATE: 1995-05-04  
; PRIOR APPLICATION NUMBER: US 08/434,504  
; PRIOR FILING DATE: 1995-05-04  
; PRIOR APPLICATION NUMBER: US 09/436,430  
; NUMBER OF SEQ ID NOS: 6586  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1411  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Hepatitis B virus  
US-09-877-478-1411

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 528 GGAGGAGCAGCTGG 541  
Db 17 GGAGGAGCAGCTGG 4

## RESULT 572

US-09-877-478-1412/c  
; Sequence 1412, Application US/09877478  
; Publication No. US20030068301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Draper, Kenneth  
; APPLICANT: Blatt, Larry

; APPLICANT: McSwiggen, Jim  
; APPLICANT: Morrissey, Dave  
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication  
; FILE REFERENCE: MBH00-845-H (400/029)  
; CURRENT APPLICATION NUMBER: US/09/877,478  
; CURRENT FILING DATE: 2001-12-31  
; PRIOR APPLICATION NUMBER: US 07/882,712  
; PRIOR FILING DATE: 1992-05-14  
; PRIOR APPLICATION NUMBER: US 09/531,025  
; PRIOR FILING DATE: 2000-03-20  
; PRIOR APPLICATION NUMBER: US 09/636,385  
; PRIOR FILING DATE: 2000-08-09  
; PRIOR APPLICATION NUMBER: US 09/696,347  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 08/193,627  
; PRIOR FILING DATE: 1994-02-07  
; PRIOR APPLICATION NUMBER: US 08/433,993  
; PRIOR FILING DATE: 1995-05-04  
; PRIOR APPLICATION NUMBER: US 08/434,504  
; PRIOR FILING DATE: 1995-05-04  
; PRIOR APPLICATION NUMBER: US 09/436,430  
; NUMBER OF SEQ ID NOS: 6586  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1412  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Hepatitis B virus  
US-09-877-478-1412

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 528 GGAGGAGCAGCTGG 541  
Db 14 GGAGGAGCAGCTGG 1

## RESULT 573

US-09-848-754A-118  
; Sequence 118, Application US/09848754A  
; Publication No. US20030073207A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rel-  
; FILE REFERENCE: MBH00-958-I (400/018)  
; CURRENT APPLICATION NUMBER: US/09/848,754A  
; CURRENT FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 9645  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 118  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-848-754A-118

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 50.0%; Pred. No. 4.2e+02;  
Matches 7; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 1099 CGTAATTATGTAGT 1112  
Db 3 CGUAAUUAUGUGGU 16

## RESULT 574

US-09-848-754A-119  
; Sequence 119, Application US/09848754A  
; Publication No. US20030073207A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

```

; ; ; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; ; ; FILE REFERENCE: MEH800.918-A 400/027
; ; ; CURRENT APPLICATION NUMBER: US/09/930,423
; ; ; CURRENT FILING DATE: 2001-08-15
; ; ; NUMBER OF SEQ ID NOS: 4553
; ; ; SOFTWARE: PatentIn version 3.0
; ; ; SEQ ID NO 1204
; ; ; LENGTH: 17
; ; ; TYPE: RNA
; ; ; ORGANISM: Homo Sapiens
US-09-930-423-1204

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 85.7%; Pred. No. 4.2e+02;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      526 CCGGAGGGAGCAGCT 539
          |||||
Db       1 CCGGAGGGGAGCU 14

RESULT 579
US-09-930-423-1588/c
; Sequence 1588, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MEH800.918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423

```

; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1588  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-1588

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1207 CACCTCCCTTCCC 1220  
DB 17 CAGCTCCCTTCCC 4

## RESULT 580

US-09-930-423-1589/c  
; Sequence 1589, Application US/0990423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: MBHB00, 918-A, 400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1589  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-1589

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1207 CACCTCCCTTCCC 1220  
DB 16 CAGCTCCCTTCCC 3

## RESULT 581

US-09-780-164-553/c  
; Sequence 553, Application US/09780164  
; Publication No. US20030092646A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20  
; FILE REFERENCE: 400/010  
; CURRENT APPLICATION NUMBER: US/09/780,164  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/185,516  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 2603  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 553  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-780-164-553

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1180 TTCTATAGGTGAG 1193  
DB 17 TTCTATAGGTGAG 4

## RESULT 582

US-09-780-164-554/c  
; Sequence 554, Application US/09780164  
; Publication No. US20030092646A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20  
; FILE REFERENCE: 400/010  
; CURRENT APPLICATION NUMBER: US/09/780,164  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/185,516  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 2603  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 554  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-780-164-554

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1180 TTCTATAGGTGAG 1193  
DB 16 TTCTATAGGTGAG 3

## RESULT 583

US-09-780-164-606/c  
; Sequence 606, Application US/09780164  
; Publication No. US20030092646A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20  
; FILE REFERENCE: 400/010  
; CURRENT APPLICATION NUMBER: US/09/780,164  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/185,516  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 2603  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 606  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-780-164-606

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 439 AGAAGTGTCTGAA 452  
DB 16 AGAAGTGTCTCAA 3

## RESULT 584

US-09-780-164-916/c  
; Sequence 916, Application US/09780164  
; Publication No. US20030092646A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20  
; FILE REFERENCE: 400/010  
; CURRENT APPLICATION NUMBER: US/09/780,164  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/185,516  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 2603  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 916  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-780-164-916

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.6%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1180 TTCTATAGGTGAG 1193  
| | | | | | | | | | | | | | | | | | | | | |  
Db 15 TTCTATAGGTGAG 2

RESULT 585  
US-09-827-395A-237  
; Sequence 237, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowrira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G  
; FILE REFERENCE: MBH00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,797  
; PRIOR FILING DATE: 2000-02-11  
; NUMBER OF SEQ ID NOS: 2617  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 237  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-827-395A-237

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 730 GGGCGCTGGCTGCC 743  
| | | | | | | | | | | | | | | | | | | | | |  
Db 4 GCGCCUGGCGUGCC 17

RESULT 586  
US-09-827-395A-238  
; Sequence 238, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowrira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G  
; FILE REFERENCE: MBH00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533

; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,797  
; PRIOR FILING DATE: 2000-02-11  
; NUMBER OF SEQ ID NOS: 2617  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 238  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-827-395A-238

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 730 GGGCGCTGGCTGCC 743  
| | | | | | | | | | | | | | | | | | | | | |  
Db 3 GCGCCUGGCGUGCC 16

RESULT 587  
US-09-827-395A-359  
; Sequence 359, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowrira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G  
; FILE REFERENCE: MBH00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,797  
; PRIOR FILING DATE: 2000-02-11  
; NUMBER OF SEQ ID NOS: 2617  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 359  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-827-395A-359

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 731 GGGCGCTGGCTGCC 744  
| | | | | | | | | | | | | | | | | | | | | |  
Db 4 GCGCCUGGCGUGCC 17

RESULT 588  
US-09-827-395A-412  
; Sequence 412, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowrira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G  
; FILE REFERENCE: MBH00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,797  
; PRIOR FILING DATE: 2000-02-11  
; NUMBER OF SEQ ID NOS: 2617  
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 412  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-827-395A-412

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 85.7%; Pred. No. 4.2e+02;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 529 GAGGAGCAGCTGGG 542  
| | | | | | | | | | | | | | | | | | | | |  
Db 2 GAGGAGCCGCGUGG 15

RESULT 589  
US-09-827-395A-634  
; Sequence 634, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowrira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor C  
; FILE REFERENCE: MBHB00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,797  
; PRIOR FILING DATE: 2000-02-11  
; NUMBER OF SEQ ID NOS: 2617  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 634  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-827-395A-634

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 730 GGGGCGCTGGCTGCC 743  
| | | | | | | | | | | | | | | | | | | | |  
Db 1 GCGGCCGCGUGGCC 14

RESULT 590  
US-09-827-395A-716  
; Sequence 716, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowrira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor C  
; FILE REFERENCE: MBHB00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,797  
; PRIOR FILING DATE: 2000-02-11  
; NUMBER OF SEQ ID NOS: 2617  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 716  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-827-395A-716

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 85.7%; Pred. No. 4.2e+02;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 529 GAGGAGCAGCTGGG 542  
| | | | | | | | | | | | | | | | | | | | |  
Db 4 GAGGAGCCGCGUGG 17

RESULT 591  
US-09-827-395A-717  
; Sequence 717, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowrira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor C  
; FILE REFERENCE: MBHB00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,797  
; PRIOR FILING DATE: 2000-02-11  
; NUMBER OF SEQ ID NOS: 2617  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 717  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-827-395A-717

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 85.7%; Pred. No. 4.2e+02;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 529 GAGGAGCAGCTGGG 542  
| | | | | | | | | | | | | | | | | | | | |  
Db 1 GAGGAGCCGCGUGG 14

RESULT 592  
US-09-827-395A-901  
; Sequence 901, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowrira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor C  
; FILE REFERENCE: MBHB00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,797  
; PRIOR FILING DATE: 2000-02-11  
; NUMBER OF SEQ ID NOS: 2617  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 901  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-827-395A-901

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 730 GGGGCTGGTGCC 743  
| | | | | : | | | | |  
Db 2 GCGGCCUGGCGCC 15

## RESULT 593

US-09-827-395A-932  
; Sequence 932, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G  
; FILE REFERENCE: MEH00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,797  
; PRIOR FILING DATE: 2000-02-11  
; NUMBER OF SEQ ID NOS: 2617  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 932  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-827-395A-932

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 731 GGGCTGGTGCCG 744  
| | | | | : | | | | |  
Db 3 GCGGCCUGGCGAG 16

## RESULT 594

US-09-740-332-1119/c  
; Sequence 1119, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate  
; TITLE OF INVENTION: Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1119  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-1119

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 217 CAGCGAGCTCTCA 230  
| | | | | : | | | | |  
Db 16 CAGCGAGCTCTCA 3

## RESULT 595

US-09-740-332-2846/c

; Sequence 2846, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rel  
; TITLE OF INVENTION: Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2846  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-2846

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 219 GCGAGCTCTCAGC 232  
| | | | | : | | | | |  
Db 14 GCGAGCTCTCAGC 1

## RESULT 596

US-09-740-332-3171  
; Sequence 3171, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rel  
; TITLE OF INVENTION: Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3171  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-3171

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 167 CTTCAAGGTCTCGC 180  
| | | | | : | | | | |  
Db 1 CTTCAAGGTCTCGC 14

## RESULT 597

US-09-740-332-3436  
; Sequence 3436, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rel  
; TITLE OF INVENTION: Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26

; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3436  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-3436

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 217 CAGCGAGTCTCTCA 230  
|||:|:|:|:|:  
DB 3 CAGCGAGCUCGUCA 16

## RESULT 598

US-09-745-237A-1204  
; Sequence 1204, Application US/09745237A  
; Publication No. US20030143708A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim

; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: 400/007 (MEHB00-918-A)  
; CURRENT APPLICATION NUMBER: US/09/745,237A  
; CURRENT FILING DATE: 2002-04-15  
; NUMBER OF SEQ ID NOS: 4550  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1204  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1204

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 85.7%; Pred. No. 4.2e+02;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 526 CCGGAGGAGCAGCT 539  
|||:|:|:|:|:  
DB 1 CCGGAGGAGCAGCU 14

## RESULT 599

US-09-745-237A-1588/c  
; Sequence 1588, Application US/09745237A  
; Publication No. US20030143708A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim

; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: 400/007 (MEHB00-918-A)  
; CURRENT APPLICATION NUMBER: US/09/745,237A  
; CURRENT FILING DATE: 2002-04-15  
; NUMBER OF SEQ ID NOS: 4550  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1588  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1588

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1207 CACCTCCCTTCCC 1220  
|||:|:|:|:|:  
DB 17 CAGCTCCCTTCCC 4

## RESULT 600

US-09-745-237A-1589/c  
; Sequence 1589, Application US/09745237A  
; Publication No. US20030143708A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim

; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: 400/007 (MEHB00-918-A)  
; CURRENT APPLICATION NUMBER: US/09/745,237A  
; CURRENT FILING DATE: 2002-04-15  
; NUMBER OF SEQ ID NOS: 4550  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1589  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1589

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1207 CACCTCCCTTCCC 1220  
|||:|:|:|:|:  
DB 16 CAGCTCCCTTCCC 3

## RESULT 601

US-10-238-700-2684  
; Sequence 2684, Application US/10238700  
; Publication No. US20030153521A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James

; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Le  
; FILE REFERENCE: 400/057 (MEHB01-1158-A)  
; CURRENT APPLICATION NUMBER: US/10/238,700  
; CURRENT FILING DATE: 2002-09-18  
; PRIOR APPLICATION NUMBER: PCT/US 02/16840  
; PRIOR FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: US 60/318,471  
; PRIOR FILING DATE: 2001-09-10  
; NUMBER OF SEQ ID NOS: 4686  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2684  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-238-700-2684

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 71.4%; Pred. No. 4.2e+02;  
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 144 GCTCGGCTCCGCTC 157  
|||:|:|:|:|:  
DB 4 GCUCGCGCUCGGUC 17

## RESULT 602

US-10-238-700-3175  
; Sequence 3175, Application US/10238700  
; Publication No. US20030153521A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.



```
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
/ FILE REFERENCE: 400/057 (WBH01-1158-A)
/ CURRENT APPLICATION NUMBER: US/10/238,700
/ CURRENT FILING DATE: 2002-09-18
/ PRIOR APPLICATION NUMBER: PCT/US 02/16840
/ PRIOR FILING DATE: 2002-05-29
/ PRIOR APPLICATION NUMBER: US 60/318,471
/ PRIOR FILING DATE: 2001-09-10
/ NUMBER OF SEQ ID NOS: 4666
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 3175
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-238-700-3175

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 78.6%; Pred. No. 4.2e+02;
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 459 GGTGACGAGCTCTGC 472
Db 1 GGUACAGAGCCUCC 14

RESULT 603
US-10-061-201-493/c
/ Sequence 493, Application US/10061201
/ Publication No. US20030166229A1
/ GENERAL INFORMATION:
/ APPLICANT: Shannon, Mark
/ TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
/ FILE REFERENCE: PB0178
/ CURRENT APPLICATION NUMBER: US/10/061,201
/ CURRENT FILING DATE: 2002-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 09/864,761
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/328,205
/ PRIOR FILING DATE: 2001-10-10
/ NUMBER OF SEQ ID NOS: 4162
/ SOFTWARE: Aecomica Sequence Listing Engine
/ SEQ ID NO 493
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-061-201-493

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 631 CTCGAGGAGCTCTG 644
Db 14 CTCGAGGAGCTCTG 1

RESULT 605
US-10-061-201-1764/c
/ Sequence 1764, Application US/10061201
/ Publication No. US20030166229A1
/ GENERAL INFORMATION:
/ APPLICANT: Shannon, Mark
/ TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
/ FILE REFERENCE: PB0178
/ CURRENT APPLICATION NUMBER: US/10/061,201
/ CURRENT FILING DATE: 2002-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 09/864,761
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/328,205
/ PRIOR FILING DATE: 2001-10-10
/ NUMBER OF SEQ ID NOS: 4162
/ SOFTWARE: Aecomica Sequence Listing Engine
/ SEQ ID NO 493
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-061-201-493

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 632 TCCAGGAGCTCTGC 645
Db 17 TCCGAGGAGCTCTGC 4
```

; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/328,205  
; PRIOR FILING DATE: 2001-10-10  
; NUMBER OF SEQ ID NOS: 4162  
; SOFTWARE: Aecmca Sequence Listing Engine  
; SEQ ID NO 1764  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-061-201-1764

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 CCCTGGTCTCTAAAG 921  
||| |||||  
Db 17 CCCTGGTCTCTAAAG 4

RESULT 606  
US-10-061-201-1765/c  
; Sequence 1765, Application US/10061201  
; Publication No. US20030166229A1  
; GENERAL INFORMATION:  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1  
; FILE REFERENCE: PB0178  
; CURRENT APPLICATION NUMBER: US/10/061,201  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/328,205  
; NUMBER OF SEQ ID NOS: 4162  
; SOFTWARE: Aecmca Sequence Listing Engine  
; SEQ ID NO 1765  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-061-201-1765

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 CCCTGGTCTCTAAAG 921  
||| |||||  
Db 16 CCCTGGTCTCTAAAG 3

RESULT 607  
US-10-159-339-87/c  
; Sequence 87, Application US/10159339  
; Publication No. US20030166540A1  
; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPT  
; FILE REFERENCE: HGPBMY30  
; FILE REFERENCE: D0169NP  
; CURRENT APPLICATION NUMBER: US/10/159,339  
; CURRENT FILING DATE: 2002-05-30  
; PRIOR APPLICATION NUMBER: US 60/294,411  
; PRIOR FILING DATE: 2001-05-30  
; NUMBER OF SEQ ID NOS: 94  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 87  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-159-339-87

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 789 CAGTCCCTGGCTC 802  
||| |||||  
Db 16 CAGTCCCTGGCTC 3

RESULT 608  
US-10-339-782-248  
; Sequence 248, Application US/10339782  
; Publication No. US20030166026A1  
; GENERAL INFORMATION:  
; APPLICANT: Lynx Therapeutics, Inc.  
; APPLICANT: Goodman, Laurie J  
; APPLICANT: Bowen, Benjamin A  
; TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells  
; FILE REFERENCE: 37-000110US  
; CURRENT APPLICATION NUMBER: US/10/339,782  
; CURRENT FILING DATE: 2003-01-08  
; NUMBER OF SEQ ID NOS: 495  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 248  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-339-782-248

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 889 GAGCTGGGTACAG 902  
||| |||||  
Db 1 GAGCTGGGTACAG 14

RESULT 609  
US-09-817-879-1119/c  
; Sequence 1119, Application US/09817879  
; Publication No. US20030171311A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rel  
; TITLE OF INVENTION: Hepatitis C Virus Infection  
; FILE REFERENCE: MBH00-801-F  
; CURRENT APPLICATION NUMBER: US/09/817,879  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9703  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1119  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature

LOCATION:  
OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-1119

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 217 CAGCGAGCTCCTCA 230  
Db 16 CAGCGAGCTCCTCA 3

RESULT 610  
US-09-817-879-2846/c  
Sequence 2846, Application US/09817879  
Publication No. US20030171311A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals Inc.  
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
FILE REFERENCE: MBH00-801-F  
CURRENT APPLICATION NUMBER: US/09/817,879  
CURRENT FILING DATE: 2001-03-26  
NUMBER OF SEQ ID NOS: 9703  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 2846  
LENGTH: 17  
TYPE: RNA  
ORGANISM: artificial sequence  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION:  
OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-2846

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 219 GCGAGCTCCTCAGC 232  
Db 14 GCGAGCTCCTCAGC 1

RESULT 611  
US-09-817-879-3171  
Sequence 3171, Application US/09817879  
Publication No. US20030171311A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals Inc.  
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
FILE REFERENCE: MBH00-801-F  
CURRENT APPLICATION NUMBER: US/09/817,879  
CURRENT FILING DATE: 2001-03-26  
NUMBER OF SEQ ID NOS: 9703  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 3171  
LENGTH: 17  
TYPE: RNA  
ORGANISM: artificial sequence  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION:  
OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-3171

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 167 CCTCAAGGTCCTCGC 180

Db 1 CCUCAAGGGCUCGC 14

RESULT 612  
US-09-817-879-3436  
Sequence 3436, Application US/09817879  
Publication No. US20030171311A1  
GENERAL INFORMATION:  
APPLICANT: Ribozyme Pharmaceuticals Inc.  
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
FILE REFERENCE: MBH00-801-F  
CURRENT APPLICATION NUMBER: US/09/817,879  
CURRENT FILING DATE: 2001-03-26  
NUMBER OF SEQ ID NOS: 9703  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 3436  
LENGTH: 17  
TYPE: RNA  
ORGANISM: artificial sequence  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION:  
OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-3436

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 78.6%; Pred. No. 4.2e+02;  
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 217 CAGCGAGCTCCTCA 230  
Db 3 CAGCGAGCUCGUCA 16

RESULT 613  
US-10-220-373-9  
Sequence 9, Application US/10220373  
Publication No. US20030180743A1  
GENERAL INFORMATION:  
APPLICANT: NAGASU, Takeshi  
APPLICANT: OSHIDA, Tadahiro  
APPLICANT: OBAYASHI, Izumi  
APPLICANT: MATSUI, Keiko  
APPLICANT: SAITO, Hirohisa  
TITLE OF INVENTION: METHOD OF TESTING FOR ALLERGIC DISEASE  
FILE REFERENCE: SHZ-010US  
CURRENT APPLICATION NUMBER: US/10/220,373  
CURRENT FILING DATE: 2002-08-30  
PRIOR APPLICATION NUMBER: JP 2000-61832  
PRIOR FILING DATE: 2000-03-02  
NUMBER OF SEQ ID NOS: 31  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 9  
LENGTH: 17  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:Artificially Synthesized Primer Sequence  
US-10-220-373-9

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTG 1157  
Db 4 TTTTTCCTTTTG 17

RESULT 614

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US-10-338-777-196/c
; Sequence 196, Application US/10338777
; Publication No. US20030188343A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: United States Department of Agriculture
; APPLICANT: Bowen, Benjamin A
; APPLICANT: Haudenschild, Christian D
; APPLICANT: Buckler, Edward S
; TITLE OF INVENTION: Identification of Genes Associated with Growth in Plants
; FILE REFERENCE: 37-000510US
; CURRENT APPLICATION NUMBER: US/10/338,777
; CURRENT FILING DATE: 2003-01-07
; NUMBER OF SEQ ID NOS: 405
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 196
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-338-777-196

Query Match          0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTGG 1157
DB 17 TTTTTCCTTTTGG 4

RESULT 615
US-10-230-006-576
; Sequence 576, Application US/10230006
; Publication No. US20030191077A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Fosnaugh, Kathy
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDIT
; FILE REFERENCE: 400/056 (MBHB01-1110)
; CURRENT APPLICATION NUMBER: US/10/230,006
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 2678
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 576
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-576

Query Match          0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 78.6%; Pred. No. 4.2e+02;
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 254 CCGACCTCTCGGC 267
DB 1 CCGGCCUCCUGGC 14

RESULT 616
US-10-230-006-767/c
; Sequence 767, Application US/10230006
; Publication No. US20030191077A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Fosnaugh, Kathy
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDIT
; FILE REFERENCE: 400/056 (MBHB01-1110)
; CURRENT APPLICATION NUMBER: US/10/230,006
; CURRENT FILING DATE: 2002-11-18

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; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 2678
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 767
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-767

Query Match          0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 720 CCAGCAGCAGGGGG 733
DB 17 CCAGCAGCAGGGAGG 4

RESULT 617
US-10-230-006-768/c
; Sequence 768, Application US/10230006
; Publication No. US20030191077A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Fosnaugh, Kathy
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CO
; FILE REFERENCE: 400/056 (MBHB01-1110)
; CURRENT APPLICATION NUMBER: US/10/230,006
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 2678
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 768
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-768

Query Match          0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 720 CCAGCAGCAGGGGG 733
DB 14 CCAGCAGCAGGGAGG 1

RESULT 618
US-10-230-006-1243
; Sequence 1243, Application US/10230006
; Publication No. US20030191077A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Fosnaugh, Kathy
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CO
; FILE REFERENCE: 400/056 (MBHB01-1110)
; CURRENT APPLICATION NUMBER: US/10/230,006
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 2678
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1243
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-1243

Query Match          0.9%; Score 12.4; DB 1; Length 17;

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Best Local Similarity 64.3%; Pred. No. 4.2e+02; Indels 0; Gaps 0;
Matches 9; Conservative 4; Mismatches 1;

QY 711 TTCTGTGGCCGAGC 724
Db :||:|||||
2 UUCUGUGGCGCAGC 15

RESULT 619
US-10-230-006-1404/c
; Sequence 1404, Application US/10230006
; Publication No. US20030191077A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Fosnaugh, Kathy
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDIT
; FILE REFERENCE: 400/056 (MBH01-1110)
; CURRENT APPLICATION NUMBER: US/10/230,006
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 2678
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1404
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-1404

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 720 CCAGCAGCAGGGGG 733
Db :|||||
16 CCAGCAGCAGGAGG 3

RESULT 620
US-10-230-006-2085
; Sequence 2085, Application US/10230006
; Publication No. US20030191077A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Fosnaugh, Kathy
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDIT
; FILE REFERENCE: 400/056 (MBH01-1110)
; CURRENT APPLICATION NUMBER: US/10/230,006
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 2678
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2085
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-2085

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 64.3%; Pred. No. 4.2e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 711 TTCTGTGGCCGAGC 724
Db :||:|||||
3 UUCUGUGGCGCAGC 16

RESULT 621
US-09-730-559B-108
; Sequence 108, Application US/09730559B

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```

; Publication No. US20030207828A1
; GENERAL INFORMATION:
; APPLICANT: ISHIWATA, TETSUYOSHI
; APPLICANT: SAKURADA, MIKIO
; APPLICANT: KAWABATA, AYAKO
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: NISHI, TATSUNARI
; APPLICANT: KUGA, TETSURO
; APPLICANT: SAWADA, SHIGEMASA
; APPLICANT: TAKEI, MASAMI
; APPLICANT: SHIBATA, KENJI
; APPLICANT: FURUYA, AKIKO
; TITLE OF INVENTION: IGA NEPHROPATHY-ASSOCIATED GENE
; FILE REFERENCE: 766.21 CIP
; CURRENT APPLICATION NUMBER: US/09/730,559B
; CURRENT FILING DATE: 2000-12-07
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 108
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
US-09-730-559B-108

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTCTCTTTTG 1157
Db :|||||
4 TTTTCTTTT 17

RESULT 622
US-10-209-787-291/c
; Sequence 291, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 05/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 291
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-291

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 511 GTCAGGCCCAACT 524
Db :|||||
14 GTCAGGCCCAACT 1

```

RESULT 623  
US-10-209-787-292  
; Sequence 292, Application US/10209787  
; Publication No. US20030217377A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamber, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; TITLE OF INVENTION: Stranded Oligonucleotides  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/10/209,787  
; CURRENT FILING DATE: 2002-07-30  
; PRIOR APPLICATION NUMBER: US 09/818,875  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 292  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-209-787-292

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 511 GTCAGCGCCCACT 524  
|||||  
DB 4 GTCAGAGCCCACT 17

RESULT 624  
US-10-360-705-55/c  
; Sequence 55, Application US/10360705  
; Publication No. US20030215843A1  
; GENERAL INFORMATION:  
; APPLICANT: ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS  
; APPLICANT: POUPON, Raoul  
; APPLICANT: HERMELIN, Brigitte  
; APPLICANT: ROSMORDUC, Olivier  
; TITLE OF INVENTION: SCREENING OF A NOVEL HEPATIC SYNDROME AND ITS USES  
; FILE REFERENCE: 45636-5064  
; CURRENT APPLICATION NUMBER: US/10/360,705  
; CURRENT FILING DATE: 2003-02-10  
; PRIOR APPLICATION NUMBER: PCT/FR01/02553  
; PRIOR FILING DATE: 2001-08-06  
; NUMBER OF SEQ ID NOS: 66  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 55  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: MDR3-SENS23  
US-10-360-705-55

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 352 GGCCGAGTGAGTTT 365  
|||||

Db 17 GGCCGAGTGAGTTT 4  
RESULT 625  
US-10-106-831-9  
; Sequence 9, Application US/10106831  
; Publication No. US20030022378A1  
; GENERAL INFORMATION:  
; APPLICANT: Ehrhardt, Anja  
; APPLICANT: Kay, Mark  
; TITLE OF INVENTION: Helper Dependent Adenoviral Vector  
; TITLE OF INVENTION: System and Methods for Using the Same  
; FILE REFERENCE: STAN-215  
; CURRENT APPLICATION NUMBER: US/10/106,831  
; CURRENT FILING DATE: 2002-09-04  
; PRIOR APPLICATION NUMBER: 60/278,972  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: 60/284,335  
; PRIOR FILING DATE: 2001-04-16  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 9  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: oligonucleotide  
US-10-106-831-9

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 276 CAAAGAGGAGGAGCAG 289  
|||||  
DB 1 CAAAGAGGAGGAGCAG 14

RESULT 626  
US-10-060-830-43/c  
; Sequence 43, Application US/10060830  
; Publication No. US20030032154A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Nguyen, Cung-Thong  
; TITLE OF INVENTION: HUMAN LCCL DOMAIN CONTAINING PROTEIN  
; FILE REFERENCE: PB0169  
; CURRENT APPLICATION NUMBER: US/10/060,830  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/325,062  
; PRIOR FILING DATE: 2001-09-25  
; NUMBER OF SEQ ID NOS: 1123  
; SOFTWARE: Aesomica Sequence Listing Engine  
; SEQ ID NO 43  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-830-43

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTG 1157  
|||  
DB 17 TTTTTCCTTTTG 4

## RESULT 627

US-10-060-830-44/c  
; Sequence 44, Application US/10060830  
; Publication No. US20030032154A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Nguyen, Cung-Tuong  
; TITLE OF INVENTION: HUMAN LCCL DOMAN CONTAINING PROTEIN  
; FILE REFERENCE: PB0169  
; CURRENT APPLICATION NUMBER: US/10/060,830  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-03-23  
; PRIOR APPLICATION NUMBER: US 60/325,062  
; PRIOR FILING DATE: 2001-09-25  
; NUMBER OF SEQ ID NOS: 1123  
; SOFTWARE: Acomica Sequence Listing Engine  
; SEQ ID NO 44  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-830-44

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTG 1157  
|||  
DB 16 TTTTTCCTTTTG 3

## RESULT 628

US-10-060-830-45/c  
; Sequence 45, Application US/10060830  
; Publication No. US20030032154A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Nguyen, Cung-Tuong  
; TITLE OF INVENTION: HUMAN LCCL DOMAN CONTAINING PROTEIN  
; FILE REFERENCE: PB0169  
; CURRENT APPLICATION NUMBER: US/10/060,830  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/325,062  
; PRIOR FILING DATE: 2001-09-25  
; NUMBER OF SEQ ID NOS: 1123  
; SOFTWARE: Acomica Sequence Listing Engine  
; SEQ ID NO 45  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-830-45

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTG 1157  
|||  
DB 15 TTTTTCCTTTTG 2

## RESULT 629

US-10-060-830-46/c  
; Sequence 46, Application US/10060830  
; Publication No. US20030032154A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Nguyen, Cung-Tuong  
; TITLE OF INVENTION: HUMAN LCCL DOMAN CONTAINING PROTEIN  
; FILE REFERENCE: PB0169  
; CURRENT APPLICATION NUMBER: US/10/060,830  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/325,062  
; PRIOR FILING DATE: 2001-09-25  
; NUMBER OF SEQ ID NOS: 1123  
; SOFTWARE: Acomica Sequence Listing Engine  
; SEQ ID NO 46  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-830-46

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTG 1157  
|||  
DB 14 TTTTTCCTTTTG 1

## RESULT 630

US-10-060-830-700/c  
; Sequence 700, Application US/10060830  
; Publication No. US20030032154A1  
; GENERAL INFORMATION:





;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 09/864,761  
;; PRIOR FILING DATE: 2001-05-23  
;; PRIOR APPLICATION NUMBER: US 60/315,984  
;; PRIOR FILING DATE: 2001-08-30  
;; NUMBER OF SEQ ID NOS: 1682  
;; SOFTWARE: Aeonica Sequence Listing Engine  
;; SEQ ID NO 1615  
;; LENGTH: 17  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-10-060-895A-1615

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 302 CTGTGGGGGTGCA 315  
||| ||||| |||  
DB 4 CTGTGGGGGTGCA 17

## RESULT 634

US-10-060-895A-1616  
;; Sequence 1616, Application US/10060895A  
;; Publication No. US20030104403A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Zhang, Jian  
;; APPLICANT: Gu, Yizhong  
;; APPLICANT: Nguyen, Cung-Tuong  
;; TITLE OF INVENTION: HUMAN UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE  
;; FILE REFERENCE: PB0158  
;; CURRENT APPLICATION NUMBER: US/10/060,895A  
;; PRIOR FILING DATE: 2002-06-10  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 09/864,761  
;; PRIOR FILING DATE: 2001-05-23  
;; PRIOR APPLICATION NUMBER: US 60/315,984  
;; PRIOR FILING DATE: 2001-08-30  
;; NUMBER OF SEQ ID NOS: 1682  
;; SOFTWARE: Aeonica Sequence Listing Engine  
;; SEQ ID NO 1616  
;; LENGTH: 17  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-10-060-895A-1616

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 302 CTGTGGGGGTGCA 315  
||| ||||| |||  
DB 3 CTGTGGGGGTGCA 16

## RESULT 635

US-10-060-895A-1617  
;; Sequence 1617, Application US/10060895A  
;; Publication No. US20030104403A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Zhang, Jian  
;; APPLICANT: Gu, Yizhong  
;; APPLICANT: Nguyen, Cung-Tuong  
;; TITLE OF INVENTION: HUMAN UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE  
;; FILE REFERENCE: PB0158  
;; CURRENT APPLICATION NUMBER: US/10/060,895A  
;; PRIOR FILING DATE: 2002-06-10  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 09/864,761  
;; PRIOR FILING DATE: 2001-05-23  
;; PRIOR APPLICATION NUMBER: US 60/315,984  
;; PRIOR FILING DATE: 2001-08-30  
;; NUMBER OF SEQ ID NOS: 1682  
;; SOFTWARE: Aeonica Sequence Listing Engine  
;; SEQ ID NO 1617  
;; LENGTH: 17  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-10-060-895A-1617

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 302 CTGTGGGGGTGCA 315  
||| ||||| |||  
DB 2 CTGTGGGGGTGCA 15

## RESULT 636

US-10-060-895A-1618  
;; Sequence 1618, Application US/10060895A  
;; Publication No. US20030104403A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Zhang, Jian  
;; APPLICANT: Gu, Yizhong  
;; APPLICANT: Nguyen, Cung-Tuong  
;; TITLE OF INVENTION: HUMAN UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE  
;; FILE REFERENCE: PB0158  
;; CURRENT APPLICATION NUMBER: US/10/060,895A  
;; PRIOR FILING DATE: 2002-06-10  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; NUMBER OF SEQ ID NOS: 1682  
;; SOFTWARE: Aeonica Sequence Listing Engine  
;; SEQ ID NO 1618  
;; LENGTH: 17  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-10-060-895A-1618

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/315,984  
; PRIOR FILING DATE: 2001-08-30  
; NUMBER OF SEQ ID NOS: 1682  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 1618  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-895A-1618

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 302 CTGTGGGGGCTGCA 315  
Db 1 CTGTGGGGGCGACG 14

RESULT 637  
US-10-060-998-592/c  
; Sequence 592, Application US/10060998  
; Publication No. US20030104530A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1  
; FILE REFERENCE: PB01108  
; CURRENT APPLICATION NUMBER: US/10/060,998  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/343,331  
; PRIOR FILING DATE: 2001-12-21  
; NUMBER OF SEQ ID NOS: 3056  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 592  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-998-592

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 921 GGAGATGCGAGTC 934  
Db 17 GGAGATGCGAGTTC 4

RESULT 638  
US-10-060-998-596/c  
; Sequence 596, Application US/10060998  
; Publication No. US20030104530A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1  
; FILE REFERENCE: PB01108  
; CURRENT APPLICATION NUMBER: US/10/060,998  
; CURRENT FILING DATE: 2002-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/343,331  
; PRIOR FILING DATE: 2001-12-21  
; NUMBER OF SEQ ID NOS: 3056  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 596  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-060-998-596

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 920 AGGAGATGCGAGAT 933  
Db 14 AGGAGATGCGAGTT 1

RESULT 639  
US-10-163-552-424  
; Sequence 424, Application US/10163552  
; Publication No. US20030105051A1  
; GENERAL INFORMATION:  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to le  
; FILE REFERENCE: MEHB01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 1997  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 424  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-163-552-424

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 85.7%; Pred. No. 4.2e+02;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 477 GGAGGACTGCCGAG 490  
Db 1 GGAGGAUGCCGAG 14

RESULT 640  
US-10-163-552-482  
; Sequence 482, Application US/10163552  
; Publication No. US20030105051A1  
; GENERAL INFORMATION:  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to le  
; FILE REFERENCE: MEHB01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 1997  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 482  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-163-552-482

Query Match 0.9%; Score 12.4; DB 1; Length 17;

```
Best Local Similarity 78.6%; Pred. No. 4.2e+02;
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1297 CAGCCTGGCCCAT 1310
      |||||: |||||:
Db 2 CAGCCUUGCCCAU 15

RESULT 641
US-10-163-552-781/c
; Sequence 781, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE REFERENCE: MBH01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 781
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-781

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 867 GGTCCCCCAGCCCA 880
      |||||: |||||:
Db 17 GGTCCCCCAGCCCA 4

RESULT 642
US-10-163-552-816
; Sequence 816, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; FILE REFERENCE: MBH01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 816
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-816

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 85.7%; Pred. No. 4.2e+02;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 864 TGAGTCCCCACAG 877
      :|||: |||||:
Db 4 UGAGACCCCAAG 17

RESULT 643
US-10-163-552-981
; Sequence 981, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
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; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to lev
; TITLE OF INVENTION: HER2
; FILE REFERENCE: MBH01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 981
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-981

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 21.4%; Pred. No. 4.2e+02;
Matches 3; Conservative 10; Mismatches 1; Indels 0; Gaps 0;

QY 1112 TTTCTGTTTAAT 1125
      :|||: |||||:
Db 3 UUUUCUGUUAGUU 16

RESULT 644
US-10-156-306-403/c
; Sequence 403, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rela
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 403
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-403

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1015 CTGAGATGGTGCCA 1028
      |||||: |||||:
Db 16 CTGAGATGATGCCA 3

RESULT 645
US-10-156-306-488
; Sequence 488, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Rela
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 488
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-488

Query Match 0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 14.3%; Pred. No. 4.2e+02;
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Thu Jan 8 16:51:57 2004

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; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MEHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 521
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-521

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 7.1%; Pred. No. 4.2e+02;
Matches 1; Conservative 12; Mismatches 1; Indels 0; Gaps 0;

QY 1143 CTTTTCCTTTT 1156
Db 3 CUUUUUUUUUUU 16

RESULT 649
US-10-156-306-522
; Sequence 522, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MEHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 522
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-522

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 7.1%; Pred. No. 4.2e+02;
Matches 1; Conservative 12; Mismatches 1; Indels 0; Gaps 0;

QY 1143 CTTTTCCTTTT 1156
Db 2 CUUUUUUUUUUU 15

RESULT 650
US-10-156-306-523
; Sequence 523, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MEHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 523
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-523

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 7.1%; Pred. No. 4.2e+02;
Matches 1; Conservative 12; Mismatches 1; Indels 0; Gaps 0;

QY 1143 CTTTTCCTTTT 1156
Db 2 CUUUUUUUUUUU 15

; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MEHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 489
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-489

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 14.3%; Pred. No. 4.2e+02;
Matches 2; Conservative 11; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTG 1157
Db 2 UUUUUUUUUUUUG 15

RESULT 647
US-10-156-306-520
; Sequence 520, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MEHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 520
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-520

Query Match      0.9%; Score 12.4; DB 1; Length 17;
Best Local Similarity 7.1%; Pred. No. 4.2e+02;
Matches 1; Conservative 12; Mismatches 1; Indels 0; Gaps 0;

QY 1143 CTTTTCCTTTT 1156
Db 4 CUUUUUUUUUUUU 17

RESULT 648
US-10-156-306-521
; Sequence 521, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate

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QY 1143 CTTTTCCTTTT 1156  
 Db 1 CUUUUUUUUUU 14

RESULT 651  
 US-10-156-306-1632  
 ; Sequence 1632, Application US/10156306  
 ; Publication No. US20030119017A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: McSwiggen, James  
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
 ; TITLE OF INVENTION: Levels of IKK-Gamma and PKR  
 ; FILE REFERENCE: MBH01-664-A (400/050)  
 ; CURRENT APPLICATION NUMBER: US/10/156,306  
 ; CURRENT FILING DATE: 2002-05-28  
 ; NUMBER OF SEQ ID NOS: 8013  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 1632  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-10-156-306-1632

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 14.3%; Pred. No. 4.2e+02;  
 Matches 2; Conservative 11; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTG 1157  
 Db 4 UUUUUUUUUUG 17

RESULT 652  
 US-10-156-306-1633  
 ; Sequence 1633, Application US/10156306  
 ; Publication No. US20030119017A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: McSwiggen, James  
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
 ; TITLE OF INVENTION: Levels of IKK-Gamma and PKR  
 ; FILE REFERENCE: MBH01-664-A (400/050)  
 ; CURRENT APPLICATION NUMBER: US/10/156,306  
 ; CURRENT FILING DATE: 2002-05-28  
 ; NUMBER OF SEQ ID NOS: 8013  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 1633  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-10-156-306-1633

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 14.3%; Pred. No. 4.2e+02;  
 Matches 2; Conservative 11; Mismatches 1; Indels 0; Gaps 0;

QY 1144 TTTTTCCTTTTG 1157  
 Db 1 UUUUUUUUUUG 14

RESULT 653  
 US-10-156-306-4432  
 ; Sequence 4432, Application US/10156306  
 ; Publication No. US20030119017A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: McSwiggen, James  
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
 ; TITLE OF INVENTION: Levels of IKK-Gamma and PKR

FILE REFERENCE: MBH01-664-A (400/050)  
 ; CURRENT APPLICATION NUMBER: US/10/156,306  
 ; CURRENT FILING DATE: 2002-05-28  
 ; NUMBER OF SEQ ID NOS: 8013  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 4432  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-10-156-306-4432

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 85.7%; Pred. No. 4.2e+02;  
 Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 568 CTGCTCCAGCAGGC 581  
 Db 4 CAGCUCAGCAGGC 17

RESULT 654  
 US-10-156-306-4806  
 ; Sequence 4806, Application US/10156306  
 ; Publication No. US20030119017A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: McSwiggen, James  
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
 ; TITLE OF INVENTION: Levels of IKK-Gamma and PKR  
 ; FILE REFERENCE: MBH01-664-A (400/050)  
 ; CURRENT APPLICATION NUMBER: US/10/156,306  
 ; CURRENT FILING DATE: 2002-05-28  
 ; NUMBER OF SEQ ID NOS: 8013  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 4806  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-10-156-306-4806

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 85.7%; Pred. No. 4.2e+02;  
 Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 715 GTGCCCCAGCAGCA 728  
 Db 4 GUGGCCCGCAGCA 17

RESULT 655  
 US-10-156-306-4939/c  
 ; Sequence 4939, Application US/10156306  
 ; Publication No. US20030119017A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: McSwiggen, James  
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
 ; TITLE OF INVENTION: Levels of IKK-Gamma and PKR  
 ; FILE REFERENCE: MBH01-664-A (400/050)  
 ; CURRENT APPLICATION NUMBER: US/10/156,306  
 ; CURRENT FILING DATE: 2002-05-28  
 ; NUMBER OF SEQ ID NOS: 8013  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 4939  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 US-10-156-306-4939

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
 Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 372 GGCCAGCTTCCTC 385  
Db 14 GGCCAGCTTCCTC 1

## RESULT 656

US-10-156-306-5003  
; Sequence 5003, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5003  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-5003

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 528 GCAGGAGCGCTGG 541  
Db 1 GCAGGAGCGCTGG 14

## RESULT 657

US-10-156-306-5102/c  
; Sequence 5102, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5102  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-5102

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 951 GCGCAGCTGCAGG 964  
Db 17 GCGCAGCTGCAGG 4

## RESULT 658

US-10-156-306-5825/c  
; Sequence 5825, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: MBH01-664-A (400/050)

; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5825  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-5825

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 232 CCTCAGGCATCTGC 245  
Db 15 CCTCAGGCATCTGC 2

## RESULT 659

US-10-156-306-5879/c  
; Sequence 5879, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5879  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-5879

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 372 GGCCAGCTTCCTC 385  
Db 16 GGCCAGCTTCCTC 3

## RESULT 660

US-10-156-306-6894/c  
; Sequence 6894, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: MBH01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 6894  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-6894

Query Match 0.9%; Score 12.4; DB 1; Length 17;  
Best Local Similarity 92.9%; Pred. No. 4.2e+02;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 232 CCTCAGGCATCTGC 245

```
Db      16 CCTCAGCATCTGC 3
||||| |||||
RESULT 661
US-09-877-478-1411
; Sequence 1411, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1411
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-1411

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 4.6e+02;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      690 GAGCAGCGCCCTCC 706
Db      1 GUGCCAGCAGCUCCUCC 17
||||| ||||| |||||

RESULT 662
US-09-866-108-176
; Sequence 176, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: ABOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
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; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 176
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-176

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1059 TGGCCTTCCCATCAGC 1075
Db      1 TGGCCATCTCATCAGC 17
||||| ||||| ||||| |||||

RESULT 663
US-09-866-108-384/c
; Sequence 384, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: ABOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
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; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 384  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-384

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 263 TGGGCTGGCTGATCAAA 279  
||| ||||| |||  
Db 17 TGGGTTGGCTGATGAA 1

## RESULT 664

US-09-866-108-388/c  
; Sequence 388, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEWICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 388  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-388

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 259 CTCCTGGGCTGGCTGAT 275  
||| ||||| |||  
Db 17 CTGTTGGGTTGGCTGAT 1

## RESULT 665

US-09-866-108-553  
; Sequence 553, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEWICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 553  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens



US-09-866-108-553

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 880 AAGTTCAGGAGCTGGC 896  
 ||| ||||| ||||| |||||  
 Db 1 AAGCCCCAGGAGCTGGG 17

RESULT 666

US-09-866-108-558  
 ; Sequence 558, Application US/09866108  
 ; Patent No. US20020048800A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GU, Yizhong  
 ; APPLICANT: JI, Yonggang  
 ; APPLICANT: PENN, Sharron G.  
 ; APPLICANT: HANZEL, David K.  
 ; APPLICANT: RANK, David R.  
 ; APPLICANT: CHEN, Wensheng  
 ; APPLICANT: SHANNON, Mark  
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
 ; FILE REFERENCE: AEOMICA-7  
 ; CURRENT APPLICATION NUMBER: US/09/866,108  
 ; CURRENT FILING DATE: 2001-05-25  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 60/266,860  
 ; PRIOR FILING DATE: 2001-02-05  
 ; NUMBER OF SEQ ID NOS: 15752  
 ; SOFTWARE: Aeomica Sequence Listing Engine  
 ; SEQ ID NO 558  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-09-866-108-558

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 885 CCAGGAGCTGGGTACA 901  
 ||| ||||| ||||| |||||  
 Db 1 CCAGGAGCTGGGTCCA 17

RESULT 668

US-09-866-108-717/c  
 ; Sequence 717, Application US/09866108  
 ; Patent No. US20020048800A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GU, Yizhong  
 ; APPLICANT: JI, Yonggang  
 ; APPLICANT: PENN, Sharron G.  
 ; APPLICANT: HANZEL, David K.

RESULT 667

US-09-866-108-559  
 ; Sequence 559, Application US/09866108  
 ; Patent No. US20020048800A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GU, Yizhong  
 ; APPLICANT: JI, Yonggang  
 ; APPLICANT: PENN, Sharron G.  
 ; APPLICANT: HANZEL, David K.  
 ; APPLICANT: RANK, David R.  
 ; APPLICANT: CHEN, Wensheng  
 ; APPLICANT: SHANNON, Mark  
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
 ; FILE REFERENCE: AEOMICA-7  
 ; CURRENT APPLICATION NUMBER: US/09/866,108  
 ; CURRENT FILING DATE: 2001-05-25  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 60/266,860  
 ; PRIOR FILING DATE: 2001-02-05  
 ; NUMBER OF SEQ ID NOS: 15752  
 ; SOFTWARE: Aeomica Sequence Listing Engine  
 ; SEQ ID NO 559  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-09-866-108-559

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 886 CAGGAGCTGGGTACAG 902  
 ||| ||||| ||||| |||||  
 Db 1 CAGGAGCTGGGTCCAG 17



; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 1227  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-1227

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 241 TCTGCATCTGGGACCGA 257  
||| ||||| |||  
Db 17 TCTGCATCTGGGCTCTGA 1

## RESULT 671

US-09-866-108-1884  
; Sequence 1884, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 1884  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-1884

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 624 GGACCAGCTCCAGGAGC 640  
||||| ||||| |||||  
Db 1 GGACCAGCTCCAGGAGC 17

## RESULT 672

US-09-866-108-1885  
; Sequence 1885, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 1885

; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-1885

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 625 GACCACTCGAGGACT 641  
Db 1 GACCACTCGAGGACT 17

RESULT 673

US-09-866-108-1886  
; Sequence 1886, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:

; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7

; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 1886  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-1886

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 656 ACCTGTCGGGACTTG 672

Db 1 ACCAGGTCGAGGACCTG 17

RESULT 674

US-09-866-108-1887  
; Sequence 1887, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:

; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7

; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 1887  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-1887

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 657 CCTGTCGGGACTTGG 673  
Db 1 CCAGGTCGAGGACCTGG 17

RESULT 675

US-09-866-108-1888  
; Sequence 1888, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:

; APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang  
APPLICANT: PENN, Sharron G.  
APPLICANT: HANZEL, David K.  
APPLICANT: RANK, David R.  
APPLICANT: CHEN, Wensheng  
APPLICANT: SHANNON, Mark  
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
FILE REFERENCE: AEOMICA-7  
CURRENT APPLICATION NUMBER: US/09/866,108  
CURRENT FILING DATE: 2001-05-25  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00662  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00670  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: US 60/266,860  
PRIOR FILING DATE: 2001-02-05  
NUMBER OF SEQ ID NOS: 15752  
SOFTWARE: Aeomica Sequence Listing Engine  
SEQ ID NO 1888  
LENGTH: 17  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-866-108-1888

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 658 CTGGTCGGGACCTGGC 674  
Db 1 CAGGTGAGGACCTGGC 17

RESULT 676  
US-09-866-108-2139  
Sequence 2139, Application US/09866108  
Patent No. US20020048800A1  
GENERAL INFORMATION:  
APPLICANT: GU, Yizhong  
APPLICANT: JI, Yonggang  
APPLICANT: PENN, Sharron G.  
APPLICANT: HANZEL, David K.  
APPLICANT: RANK, David R.  
APPLICANT: CHEN, Wensheng  
APPLICANT: SHANNON, Mark  
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
FILE REFERENCE: AEOMICA-7  
CURRENT APPLICATION NUMBER: US/09/866,108  
CURRENT FILING DATE: 2001-05-25  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00662  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00670  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: US 60/266,860  
PRIOR FILING DATE: 2001-02-05  
NUMBER OF SEQ ID NOS: 15752  
SOFTWARE: Aeomica Sequence Listing Engine  
SEQ ID NO 2139  
LENGTH: 17  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-866-108-2139

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 900 CAGCGTGGCCCTGGTCC 916  
Db 1 CATTGTGCCCCCTGGCC 17

RESULT 677  
US-09-866-108-2572  
Sequence 2572, Application US/09866108  
Patent No. US20020048800A1  
GENERAL INFORMATION:  
APPLICANT: GU, Yizhong  
APPLICANT: JI, Yonggang  
APPLICANT: PENN, Sharron G.  
APPLICANT: HANZEL, David K.  
APPLICANT: RANK, David R.  
APPLICANT: CHEN, Wensheng  
APPLICANT: SHANNON, Mark  
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
FILE REFERENCE: AEOMICA-7  
CURRENT APPLICATION NUMBER: US/09/866,108  
CURRENT FILING DATE: 2001-05-25  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
CURRENT FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 2572
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2572
```

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Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 1033 GCAGCTGACTCTTCCCA 1049
Db 1 GCAGCTGCTTCCCA 17
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## RESULT 678

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US-09-866-108-2584
; Sequence 2584, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
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; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 2584
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2584
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```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 718 GCCCAGCAGCAGGGGC 734
Db 1 GCCCAGCTCCAGGTGC 17
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## RESULT 679

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US-09-866-108-2585
; Sequence 2585, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-02-05
```

; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aesomica Sequence Listing Engine  
; SEQ ID NO 2585  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-2585

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 719 CCCAGCAGCAGGGGCC 735  
Db 1 CCCAGCTCAGGGTCC 17

## RESULT 680

US-09-866-108-2779  
; Sequence 2779, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aesomica Sequence Listing Engine  
; SEQ ID NO 2779  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-2779

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Qy 613 GACACCTTCAGGACCA 629  
Db 1 GCCACCTTCAGGACCA 17

## RESULT 681

US-09-866-108-2781  
; Sequence 2781, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aesomica Sequence Listing Engine  
; SEQ ID NO 2781  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-2781

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 615 CACCTTCAGGACCA 631  
Db 1 CACCTTCAGGACCA 17

## RESULT 682

US-09-866-108-2782  
; Sequence 2782, Application US/09866108

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; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 2782
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2782

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      616 ACCTTCAGGACACGCT 632
Db      1 ACCTTCAGGACACCT 17

RESULT 683
US-09-866-108-6211/c
; Sequence 6211, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
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; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 6211
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-6211

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      882 GTTCAGGAGCTGGGT 898
Db      17 GTTCAGGAGCTGGGT 1

RESULT 684
US-09-866-108-6268
; Sequence 6268, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
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;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 60/266,860  
;; PRIOR FILING DATE: 2001-02-05  
;; NUMBER OF SEQ ID NOS: 15752  
;; SOFTWARE: Aecomica Sequence Listing Engine  
;; SEQ ID NO 6619  
;; LENGTH: 17  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-09-866-108-6619

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GCAGGCTCTGCTGTC 592  
Db 1 GGAGGCTCTGCTGTC 17

## RESULT 687

;; Sequence 7202, Application US/09866108  
;; Patent No. US20020048800A1  
;; GENERAL INFORMATION:  
;; APPLICANT: GU, Yizhong  
;; APPLICANT: JI, Yonggang  
;; APPLICANT: PENN, Sharron G.  
;; APPLICANT: HANZEL, David K.  
;; APPLICANT: RANK, David R.  
;; APPLICANT: CHEN, Wensheng  
;; APPLICANT: SHANNON, Mark  
;; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
;; CURRENT APPLICATION NUMBER: US/09/866,108  
;; CURRENT FILING DATE: 2001-05-25  
;; PRIOR APPLICATION NUMBER: US 60/207,456  
;; PRIOR FILING DATE: 2000-05-26  
;; PRIOR APPLICATION NUMBER: GB 24263.6  
;; PRIOR FILING DATE: 2000-10-04  
;; PRIOR APPLICATION NUMBER: US 60/236,359  
;; PRIOR FILING DATE: 2000-09-27  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00662  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00661  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,687  
;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 60/266,860  
;; PRIOR FILING DATE: 2001-02-05  
;; NUMBER OF SEQ ID NOS: 15752  
;; SOFTWARE: Aecomica Sequence Listing Engine  
;; SEQ ID NO 7202  
;; LENGTH: 17  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-09-866-108-7202

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 160 GCCTGATCTCAAGTGC 176  
Db 17 GCCTGATCGCAAGTGC 1

## RESULT 688

;; US-09-866-108-7203/c  
;; Sequence 7203, Application US/09866108  
;; Patent No. US20020048800A1  
;; GENERAL INFORMATION:  
;; APPLICANT: GU, Yizhong  
;; APPLICANT: JI, Yonggang  
;; APPLICANT: PENN, Sharron G.  
;; APPLICANT: HANZEL, David K.  
;; APPLICANT: RANK, David R.  
;; APPLICANT: CHEN, Wensheng  
;; APPLICANT: SHANNON, Mark  
;; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
;; CURRENT APPLICATION NUMBER: US/09/866,108  
;; CURRENT FILING DATE: 2001-05-25  
;; PRIOR APPLICATION NUMBER: US 60/207,456  
;; PRIOR FILING DATE: 2000-05-26  
;; PRIOR APPLICATION NUMBER: GB 24263.6  
;; PRIOR FILING DATE: 2000-10-04  
;; PRIOR APPLICATION NUMBER: US 60/236,359  
;; PRIOR FILING DATE: 2000-09-27  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00662  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00661  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,687  
;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 60/266,860  
;; PRIOR FILING DATE: 2001-02-05  
;; NUMBER OF SEQ ID NOS: 15752  
;; SOFTWARE: Aecomica Sequence Listing Engine  
;; SEQ ID NO 7203  
;; LENGTH: 17  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-09-866-108-7203

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 159 GCCTGATCTCAAGT 175  
Db 17 GCCTGATCGCAAGT 1



; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2001-02-05  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 7835  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-7835

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 275 TCAGAGGAGGAGGAGCA 291  
Db 1 TCACAGCTGAAGCAGCA 17  
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RESULT 692  
US-09-866-108-7836  
; Sequence 7836, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7  
; CURRENT APPLICATION NUMBER: US 60/236,359  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
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; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 7836  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-7836

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 276 CAAGAGGAGGAGGAGCAG 292  
Db 1 CACAGCTGAAGCAGCAG 17  
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RESULT 693  
US-09-866-108-8497  
; Sequence 8497, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
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; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 8497
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8497

```

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%;  
Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels

QY 522 CCTGCCGGAGGAGCAGC 538  
Db 1 CCTGGTGGATGAGCAGC 17

RESULT 694

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US-09-866-108-8498
/ Sequence 8498, Application US/09866108
/ Patent No. US20020048800A1
/ GENERAL INFORMATION:
/ APPLICANT: GU, Yizhong
/ APPLICANT: JI, Yonggang
/ APPLICANT: PENN, Sharon G.
/ APPLICANT: HANZEL, David K.
/ APPLICANT: RANK, David R.
/ APPLICANT: CHEN, Wensheng
/ APPLICANT: SHANNON, Mark
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
/ FILE REFERENCE: AEMICA-7
/ CURRENT APPLICATION NUMBER: US/09/866,108
/ CURRENT FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/006666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/006667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/006664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/006669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/006665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/006668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/006663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/006662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/006661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/006670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 60/266,860
/ PRIOR FILING DATE: 2001-02-05
/ NUMBER OF SEQ ID NOS: 15752
/ SOFTWARE: Aemica Sequence Listing Engine
/ SEQ ID NO 8498
/ LENGTH: 17

```

```

; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8498

```

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels

QY 523 CTGCCGGAGGAGCAGCT 539  
||| ||| ||| ||| |||  
Db 1 CTGGTGGATGAGCAGCT 17

RESULT 695

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US-09-866-108-8499
; Sequence 8499, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEWOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIORITY APPLICATION NUMBER: US 60/207,456

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```

; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8499

```

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels

Qy 524 TGC CGAGGAGCAGCTG 540

```
Db      1 TGGTGGATGACGAGTGT 17

RESULT 696
US-09-866-108-8648/c
; Sequence 8648, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 8648
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8648

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      821 TCCTGATGACGCTGAAG 837
      |||||
Db      17 TCCAGTGCAGCTGCAG 1

RESULT 697
US-09-866-108-8808
; Sequence 8808, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 8648
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8648

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      821 TCCTGATGACGCTGAAG 837
      |||||
Db      17 TCCAGTGCAGCTGCAG 1

RESULT 698
US-09-866-108-9293/c
; Sequence 9293, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 8808
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8808

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      881 AGTTCAGGAGCTGCGG 897
      |||||
Db      1 AGTTCAGGAGCTGCGG 17

RESULT 699
US-09-866-108-9293/c
; Sequence 9293, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 8808
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8808

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      881 AGTTCAGGAGCTGCGG 897
      |||||
Db      1 AGTTCAGGAGCTGCGG 17
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; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aescmca Sequence Listing Engine  
; SEQ ID NO 9293  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-9293

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
  
QY 481 GACTGCCGAGCGGTGT 497  
|||||  
Db 17 GACTGTCGAGAGGAGT 1

RESULT 699  
US-09-866-108-9738/c  
; Sequence 9738, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharon G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AECOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aescmca Sequence Listing Engine  
; SEQ ID NO 9738  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-9738

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
  
QY 1051 GACAGCCCTGGCTTCC 1067  
|||||  
Db 17 GCCAGCCCTGCCCTCC 1

RESULT 700  
US-09-866-108-10103  
; Sequence 10103, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharon G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AECOMICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662

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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 10103
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10103
```

```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 517 GCCAACCTGCGGAGGA 533
||| ||| ||| |||
Db 1 GCCAACCTGATGAGGA 17
```

## RESULT 701

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US-09-866-108-10233
; Sequence 10233, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
```

```
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 10233
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10233
```

```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 258 CCTCTGGCTGGCTGA 274
||| ||| ||| ||| |||
Db 1 CCTCTGGCTGGATCA 17
```

## RESULT 702

```
US-09-866-108-10262/c
; Sequence 10262, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AECOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 10262
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10262
```

```
Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```



```
QY 492 CGGTGTGCAGCGTCTTG 508
Db 17 CGGTGTGAACCGTCTTG 1

RESULT 703
US-09-866-108-10263/c
; Sequence 10263, Application US/09866108
; Patent No. US20020048900A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 10263
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10263

Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 491 ACGGTGTGCAGCGTCTT 507
Db 17 ACGGTGTGAACCGTCTT 1

RESULT 704
US-09-726-774-137
; Sequence 137, Application US/09726774
; Patent No. US2002008226A1

; GENERAL INFORMATION:
; APPLICANT: Iversen, Patrick L.
; TITLE OF INVENTION: Antisense Antibacterial Method and
; FILE REFERENCE: 0450-0032.30
; CURRENT APPLICATION NUMBER: US/09/726,774
; CURRENT FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: US 60/169,150
; PRIOR FILING DATE: 1999-11-29
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 137
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense oligomer
US-09-726-774-137

Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 152 CCGCTCCGCGCTGATCC 168
Db 1 CCGCGGCGTGTGATCC 17

RESULT 705
US-09-420-433-64/c
; Sequence 64, Application US/09420433
; Patent No. US20020098480A1
; GENERAL INFORMATION:
; APPLICANT: Sidransky, David
; TITLE OF INVENTION: NUCLEIC ACID MUTATION DETECTION IN
; NUMBER OF SEQUENCES: 82
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/09/420,433
; APPLICATION NUMBER: US/09/420,433
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/181,664
; FILING DATE: JANUARY 14, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr., Ph.D., John R.
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-3055
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO: 64:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..17
```

QY 1220 CTGTACATTGTCTTTG 1236  
|||  
Db 17 CTGTACTTTAGTCCCTTG 1

; APPLICANT: Burgeson, Robert  
 ; TITLE OF INVENTION: METHODS OF MODULATING HAIR GROWTH  
 ; FILE REFERENCE: 10287-058001  
 ; CURRENT APPLICATION NUMBER: US/09/822,722  
 ; PRIOR FILING DATE: 2001-03-20  
 ; PRIOR APPLICATION NUMBER: 60/261,690  
 ; PRIOR FILING DATE: 2001-01-12  
 ; PRIOR APPLICATION NUMBER: 60/193,771  
 ; PRIOR FILING DATE: 2000-03-31  
 ; NUMBER OF SEQ ID NOS: 24  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Primer for PCR  
 ; US-09-822-722-1

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 791 GTGCCCTGGCTGCTCC 807  
 Db 1 GCGCCCTGGCTCACTAC 17

RESULT 711  
 US-09-901-484A-84/c  
 ; Sequence 84, Application US/09901484A  
 ; Patent No. US20020119460A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cohen, Daniel  
 ; APPLICANT: Blumenfeld, Marta  
 ; APPLICANT: Chumakov, Ilya  
 ; APPLICANT: Bougueleret, Lydie  
 ; TITLE OF INVENTION: Prostate Cancer Gene  
 ; FILE REFERENCE: GEN-T11XC3D2  
 ; CURRENT APPLICATION NUMBER: US/09/901,484A  
 ; CURRENT FILING DATE: 2001-07-09  
 ; PRIOR APPLICATION NUMBER: US 08/996,306  
 ; PRIOR FILING DATE: 1997-12-22  
 ; PRIOR APPLICATION NUMBER: US 60/099,658  
 ; PRIOR FILING DATE: 1998-09-09  
 ; PRIOR APPLICATION NUMBER: US 09/218,207  
 ; PRIOR FILING DATE: 1998-12-22  
 ; PRIOR APPLICATION NUMBER: US 09/338,907  
 ; PRIOR FILING DATE: 1999-06-23  
 ; PRIOR APPLICATION NUMBER: US 09/853,526  
 ; PRIOR FILING DATE: 2001-05-11  
 ; NUMBER OF SEQ ID NOS: 578  
 ; SOFTWARE: Patent in version 3.1  
 ; SEQ ID NO 84  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)..(17)  
 ; OTHER INFORMATION: sequencing oligonucleotide moPGrace5R444  
 ; US-09-901-484A-84

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 253 ACCGACCTCTGGGCTG 269  
 Db 17 ACCTACCTGCTGGCCTG 1

RESULT 712

US-09-969-373-2951/c  
 ; Sequence 2951, Application US/09969373  
 ; Patent No. US20020133852A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Effertz, Roger J.  
 ; APPLICANT: Hauge, Brian M.  
 ; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping  
 ; FILE REFERENCE: 38-10(52679)A  
 ; CURRENT APPLICATION NUMBER: US/09/969,373  
 ; CURRENT FILING DATE: 2001-10-02  
 ; PRIOR APPLICATION NUMBER: US 09/754,853  
 ; PRIOR FILING DATE: 2001-01-05  
 ; PRIOR APPLICATION NUMBER: US 09/760,427  
 ; PRIOR FILING DATE: 2001-01-13  
 ; PRIOR APPLICATION NUMBER: US 09/855,768  
 ; PRIOR FILING DATE: 2001-05-15  
 ; NUMBER OF SEQ ID NOS: 4593  
 ; SEQ ID NO 2951  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Glycine max  
 ; US-09-969-373-2951

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 762 GTGCGGCTGGGCTAG 778  
 Db 17 GTTGGCGGTGGAATTAG 1

RESULT 713  
 US-09-853-526-84/c  
 ; Sequence 84, Application US/09853526  
 ; Patent No. US20020165345A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cohen, Daniel  
 ; APPLICANT: Blumenfeld, Marta  
 ; APPLICANT: Ilya, Chumakov  
 ; APPLICANT: Bougueleret, Lydie  
 ; TITLE OF INVENTION: PROSTATE CANCER GENE  
 ; FILE REFERENCE: GENSET.18CPLCP  
 ; CURRENT APPLICATION NUMBER: US/09/853,526  
 ; CURRENT FILING DATE: 2001-05-11  
 ; PRIOR APPLICATION NUMBER: 09/338,907  
 ; PRIOR FILING DATE: 1999-06-23  
 ; PRIOR APPLICATION NUMBER: 08/996,306  
 ; PRIOR FILING DATE: 1997-12-22  
 ; PRIOR APPLICATION NUMBER: 60/099,658  
 ; PRIOR FILING DATE: 1998-09-09  
 ; PRIOR APPLICATION NUMBER: 09/218,207  
 ; PRIOR FILING DATE: 1998-12-22  
 ; NUMBER OF SEQ ID NOS: 578  
 ; SOFTWARE: Patent.pm  
 ; SEQ ID NO 84  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Mus Musculus  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: 1..17  
 ; OTHER INFORMATION: sequencing oligonucleotide moPGrace5R444  
 ; US-09-853-526-84

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 253 ACCGACCTCTGGGCTG 269  
 Db 17 ACCTACCTGCTGGCCTG 1

## RESULT 714

US-09-864-785-54/c  
; Sequence 54, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: 400/022 (MEHB00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 54  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-54

Query Match 0.9%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1300 CCTGGCCCCCATGTAGCC 1316

Db 17 CCTGGTCTGTGTAGCC 1

## RESULT 715

US-09-864-785-146/c  
; Sequence 146, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: 400/022 (MEHB00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 146  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-146

Query Match 0.9%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 465 CAGCCTGCAGGGGAGG 481

Db 17 CAGCGCGCAGGGGAGG 1

## RESULT 716

US-09-864-785-186/c  
; Sequence 186, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: 400/022 (MEHB00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 186  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-186

Query Match 0.9%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1295 CTCAGCCTGGCCCATG 1311

Db 17 CCCAGCCTGGTCCCGTG 1

## RESULT 717

US-09-864-785-403/c  
; Sequence 403, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: 400/022 (MEHB00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 403  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-403

Query Match 0.9%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 571 CTCAGCAGGCCCTCG 587

Db 17 CTGCAGCAGGCCCTCTG 1

## RESULT 718

US-09-864-785-431  
; Sequence 431, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: 400/022 (MEHB00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785

```
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 431
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-431

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 4.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 879 CAAGTTCAGAGCTGC 895
Db 1 CGAGUUCAGCAGCGUC 17

RESULT 719
US-09-864-785-526/c
; Sequence 526, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of NF-Kappa B
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 526
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-526

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1319 GTGCTTTGTAGATCTT 1335
Db 17 GTGCTTTGTAGAGGCTT 1

RESULT 720
US-09-864-785-632/c
; Sequence 632, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of NF-Kappa B
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 632
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-632

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 336 TGGTGATGTCACAGTG 352
Db 17 TGGTGTTAGGCACAGG 1

RESULT 721
US-09-864-785-679/c
; Sequence 679, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of NF-Kappa B
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 679
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-679

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 935 TGGAGAAGAGGTGTGAG 951
Db 17 TTGAGAAGAGGGGAGAG 1

RESULT 722
US-09-864-785-1461
; Sequence 1461, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of NF-Kappa B
; FILE REFERENCE: 400/022 (MBH00-812-D)
; CURRENT APPLICATION NUMBER: US/09/864,785
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1461
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-1461

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
```

RESULT 725

RES001 21  
 US-09-864-785-2056/c  
 ; Sequence 2056, Application US/09864785  
 ; Patent No. US20020177568A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
 ; APPLICANT: Stinchcomb, Dan  
 ; APPLICANT: Draper, Ken  
 ; APPLICANT:

APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE OF INVENTION: Levels of NF-Kappa B  
; FILE REFERENCE: 400/022 (MEHB00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2056  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-2056

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1297 CAGCCTGGCCCATCTA 1313  
||||||| |||||  
Db 17 CAGCCTGGCCCATCTA 1

RESULT 728  
US-09-825-805-354/c  
; Sequence 354, Application US/09825805  
; Publication No. US20030004122A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Beigelman, Leo  
; APPLICANT: Beaudry, Amber  
; APPLICANT: Karpeisky, Alex  
; APPLICANT: Adamic, Jasenka Matulic  
; APPLICANT: Sweedler, Dave  
; APPLICANT: Zinnen, Shawn  
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleotides  
; FILE REFERENCE: MEHB00-831-F (400/009)  
; CURRENT APPLICATION NUMBER: US/09/825,805  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/578,223  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 09/476,387  
; PRIOR FILING DATE: 1999-12-30  
; PRIOR APPLICATION NUMBER: 09/474,432  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/301,511  
; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 60/064,866  
; PRIOR FILING DATE: 1997-11-05  
; NUMBER OF SEQ ID NOS: 1558  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 354  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-825-805-354

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 719 CCCAGCAGCGGGGCC 735  
||||||| |||||  
Db 17 CCCAGCAGCGGGGCC 1

RESULT 729

US-09-825-805-478  
; Sequence 478, Application US/09825805  
; Publication No. US20030004122A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Beigelman, Leo  
; APPLICANT: Beaudry, Amber  
; APPLICANT: Karpeisky, Alex  
; APPLICANT: Adamic, Jasenka Matulic  
; APPLICANT: Sweedler, Dave  
; APPLICANT: Zinnen, Shawn  
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleotides  
; FILE REFERENCE: MEHB00-831-F (400/009)  
; CURRENT APPLICATION NUMBER: US/09/825,805  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/578,223  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 09/476,387  
; PRIOR FILING DATE: 1999-12-30  
; PRIOR APPLICATION NUMBER: 09/474,432  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/301,511  
; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 60/064,866  
; PRIOR FILING DATE: 1997-11-05  
; NUMBER OF SEQ ID NOS: 1558  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 478  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-825-805-478

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 58.8%; Pred. No. 4.6e+02;  
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1240 CTGACGCTGGCCATGTG 1256  
|:|||||:|:|:|  
Db 1 CUGGACGUGCCAGUGUG 17

RESULT 730  
US-09-825-805-604  
; Sequence 604, Application US/09825805  
; Publication No. US20030004122A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Beigelman, Leo  
; APPLICANT: Beaudry, Amber  
; APPLICANT: Karpeisky, Alex  
; APPLICANT: Adamic, Jasenka Matulic  
; APPLICANT: Sweedler, Dave  
; APPLICANT: Zinnen, Shawn  
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleotides  
; FILE REFERENCE: MEHB00-831-F (400/009)  
; CURRENT APPLICATION NUMBER: US/09/825,805  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/578,223  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 09/476,387  
; PRIOR FILING DATE: 1999-12-30  
; PRIOR APPLICATION NUMBER: 09/474,432  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/301,511  
; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 60/064,866  
; PRIOR FILING DATE: 1997-11-05  
; NUMBER OF SEQ ID NOS: 1558  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 604  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-825-805-604

; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/064,866  
; PRIOR FILING DATE: 1997-11-05  
; NUMBER OF SEQ ID NOS: 1558  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 604  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-825-805-604

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 523 CTGCGGAGGACGACT 539  
Db 1 CUGCGGAGCUGGACGU 17

RESULT 731  
US-09-825-805-726  
; Sequence 726, Application US/09825805  
; Publication No. US20030004122A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Beigelman, Leo  
; APPLICANT: Beaudry, Amber  
; APPLICANT: Karpeisky, Alex  
; APPLICANT: Adamic, Jasenka Matulic  
; APPLICANT: Sweedler, Dave  
; APPLICANT: Zinnen, Shawn  
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleos  
; FILE REFERENCE: MBH00-831-F (400/009)  
; CURRENT APPLICATION NUMBER: US/09/825,805  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/578,223  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 09/476,387  
; PRIOR FILING DATE: 1999-12-30  
; PRIOR APPLICATION NUMBER: 09/474,432  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/301,511  
; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 60/064,866  
; PRIOR FILING DATE: 1997-11-05  
; NUMBER OF SEQ ID NOS: 1558  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 726  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-825-805-726

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 58.8%; Pred. No. 4.6e+02;  
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1238 TGTGACGTGCGCCATG 1254  
Db 1 UGCUGGUGGUGGUCUUG 17

RESULT 732  
US-09-825-805-775  
; Sequence 775, Application US/09825805  
; Publication No. US20030004122A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Beigelman, Leo  
; APPLICANT: Beaudry, Amber  
; APPLICANT: Karpeisky, Alex  
; APPLICANT: Adamic, Jasenka Matulic  
; APPLICANT: Sweedler, Dave  
; APPLICANT: Zinnen, Shawn  
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucle  
; FILE REFERENCE: MBH00-831-F (400/009)  
; CURRENT APPLICATION NUMBER: US/09/825,805  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/578,223  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 09/476,387  
; PRIOR FILING DATE: 1999-12-30  
; PRIOR APPLICATION NUMBER: 09/474,432  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/301,511  
; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 60/064,866  
; PRIOR FILING DATE: 1997-11-05  
; NUMBER OF SEQ ID NOS: 1558  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 775  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-825-805-775

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 4.6e+02;  
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1018 AGATGCTGCCAAGTGC 1034  
Db 1 AGAUGGGGCAAGGUGC 17

RESULT 733  
US-09-825-805-830  
; Sequence 830, Application US/09825805  
; Publication No. US20030004122A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Beigelman, Leo  
; APPLICANT: Beaudry, Amber  
; APPLICANT: Karpeisky, Alex  
; APPLICANT: Adamic, Jasenka Matulic  
; APPLICANT: Sweedler, Dave  
; APPLICANT: Zinnen, Shawn  
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucle  
; FILE REFERENCE: MBH00-831-F (400/009)  
; CURRENT APPLICATION NUMBER: US/09/825,805  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/578,223  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 09/476,387  
; PRIOR FILING DATE: 1999-12-30  
; PRIOR APPLICATION NUMBER: 09/474,432  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/301,511  
; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 60/064,866  
; PRIOR FILING DATE: 1997-11-05  
; NUMBER OF SEQ ID NOS: 1558  
; SOFTWARE: PatentIn version 3.0



SEQ ID NO 830  
LENGTH: 17  
TYPE: RNA  
ORGANISM: Homo sapiens  
US-09-825-805-830

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 76.5%; Pred. No. 4.6e+02;  
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 894 GCGTACAGCGTGGCC 910  
Db 1 GCGGUACAGUGAGACC 17

RESULT 734

US-09-961-077-147  
Sequence 147, Application US/09961077  
Publication No. US20030014775A1

GENERAL INFORMATION:

APPLICANT: Zwick, Michael G.  
Edington, Brent E.  
McSwiggen, James A.  
Merlo, Patricia Ann Owens  
Guo, Lining  
Skokut, Thomas A.  
Young, Scott A.  
Folkerts, Otto  
Merlo, Donald J.

TITLE OF INVENTION: COMPOSITION AND METHODS FOR  
MODULATION OF GENE EXPRESSION

IN PLANTS

NUMBER OF SEQUENCES: 1263

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street

Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM: 3.5" Diskette, 1.44 Mb

storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/961,077

FILING DATE: 21-Sep-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/679,645

FILING DATE: July 12, 1996

APPLICATION NUMBER: 60/001,135

FILING DATE: July 13, 1995

APPLICATION NUMBER: 08/300,726

FILING DATE: September 2, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 219/247

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 147:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 147:

US-09-961-077-147

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 76.5%; Pred. No. 4.6e+02;  
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 939 GAAGAGGTGTGAGCGCA 955  
Db 1 GAAGAAGUUGAGCGCA 17

RESULT 735

US-09-961-077-216

Sequence 216, Application US/09961077

Publication No. US20030014775A1

GENERAL INFORMATION:

APPLICANT: Zwick, Michael G.  
Edington, Brent E.  
McSwiggen, James A.  
Merlo, Patricia Ann Owens  
Guo, Lining  
Skokut, Thomas A.  
Young, Scott A.  
Folkerts, Otto  
Merlo, Donald J.

TITLE OF INVENTION: COMPOSITION AND METHODS FOR  
MODULATION OF GENE EXPRESSION

IN PLANTS

NUMBER OF SEQUENCES: 1263

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street

Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM: 3.5" Diskette, 1.44 Mb

storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/961,077

FILING DATE: 21-Sep-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/679,645

FILING DATE: July 12, 1996

APPLICATION NUMBER: 60/001,135

FILING DATE: July 13, 1995

APPLICATION NUMBER: 08/300,726

FILING DATE: September 2, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 219/247

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 216:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 216:

US-09-961-077-216

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 64.7%; Pred. No. 4.6e+02;



```
US-09-730-289B-554/c
; Sequence 554, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBH00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 554
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-554

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1268 AGGCCCTTTGTAGACAA 1284
| | | | | | | | | | | | | | |
Db 17 AAGCCCTTTGTATCAA 1

RESULT 739
US-09-730-289B-825/c
; Sequence 825, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBH00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 825
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-825

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1263 GGTGAGGCGCTTTGTA 1279
| | | | | | | | | | | | | | |
Db 17 GGTGAGGCGCTTCTTA 1

RESULT 740
US-09-730-289B-987/c
; Sequence 987, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBH00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
```

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; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 987
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-987

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1082 TTCAGTGAGTCTTTCAA 1098
| | | | | | | | | | | | | | |
Db 17 TTCGTGATCTTTCAA 1

RESULT 741
US-09-730-289B-1027/c
; Sequence 1027, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBH00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1027
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-1027

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1103 ATATGATGATTTCTGT 1119
| | | | | | | | | | | | | | |
Db 17 ATATATATTTTCTGT 1

RESULT 742
US-09-818-875-387
; Sequence 387, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
```

```
; SEQ ID NO 387
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-387

Query Match
Best Local Similarity 0.9%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1249 GCCATGTGAGGCCAGGT 1265
DB 1 GCCCTGTGGGGCAAGGT 17

RESULT 743
US-09-818-875-388/c
; Sequence 388, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kniec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 388
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-388

Query Match
Best Local Similarity 0.9%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1249 GCCATGTGAGGCCAGGT 1265
DB 17 GCCCTGTGGGGCAAGGT 1

RESULT 744
US-09-818-875-479/c
; Sequence 479, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kniec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
```

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; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 479
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-479

Query Match
Best Local Similarity 0.9%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 844 GATGGGTGAGCATACCG 860
DB 17 GATGGGCCAGCACACAG 1

RESULT 745
US-09-818-875-480
; Sequence 480, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kniec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 480
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-480

Query Match
Best Local Similarity 0.9%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 844 GATGGGTGAGCATACCG 860
DB 1 GATGGGCCAGCACACAG 17

RESULT 746
US-09-818-875-1319
; Sequence 1319, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kniec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
```

; PRIOR APPLICATION NUMBER: US 60/208,538  
 ; PRIOR FILING DATE: 2000-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/244,989  
 ; PRIOR FILING DATE: 2000-10-30  
 ; NUMBER OF SEQ ID NOS: 4385  
 ; SOFTWARE: Friedman macro Napro4  
 ; SEQ ID NO 1319  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-818-875-1319

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1339 TTTCAGGCGAGCCCGG 1355  
 |||||  
 Db 1 TTTCAGGCTGGGCTAGG 17

## RESULT 747

US-09-818-875-1320/c  
 ; Sequence 1320, Application US/09818875  
 ; Publication No. US20030051270A1  
 ; GENERAL INFORMATION:

; APPLICANT: Kmiec, Eric B.  
 ; APPLICANT: Gamper, Howard B.  
 ; APPLICANT: Rice, Michael C.  
 ; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
 ; FILE REFERENCE: Napro-4  
 ; CURRENT APPLICATION NUMBER: US/09/818,875  
 ; CURRENT FILING DATE: 2001-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/192,176  
 ; PRIOR FILING DATE: 2000-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/192,179  
 ; PRIOR FILING DATE: 2000-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/208,538  
 ; PRIOR FILING DATE: 2000-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/244,989  
 ; PRIOR FILING DATE: 2000-10-30  
 ; NUMBER OF SEQ ID NOS: 4385  
 ; SOFTWARE: Friedman macro Napro4  
 ; SEQ ID NO 1320  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-818-875-1320

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1339 TTTCAGGCGAGCCCGG 1355  
 |||||  
 Db 17 TTTCAGGCTGGGCTAGG 1

## RESULT 748

US-09-818-875-3186/c  
 ; Sequence 3186, Application US/09818875  
 ; Publication No. US20030051270A1  
 ; GENERAL INFORMATION:

; APPLICANT: Kmiec, Eric B.  
 ; APPLICANT: Gamper, Howard B.  
 ; APPLICANT: Rice, Michael C.  
 ; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
 ; FILE REFERENCE: Napro-4  
 ; CURRENT APPLICATION NUMBER: US/09/818,875  
 ; CURRENT FILING DATE: 2001-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/192,176

; PRIOR FILING DATE: 2000-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/192,179  
 ; PRIOR FILING DATE: 2000-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/208,538  
 ; PRIOR FILING DATE: 2000-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/244,989  
 ; PRIOR FILING DATE: 2000-10-30  
 ; NUMBER OF SEQ ID NOS: 4385  
 ; SOFTWARE: Friedman macro Napro4  
 ; SEQ ID NO 3186  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-818-875-3186

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 872 CCACAGCCCAAGTTCCAG 888  
 |||||  
 Db 17 CCACAGTCCACTTCCAG 1

## RESULT 749

US-09-818-875-3187  
 ; Sequence 3187, Application US/09818875  
 ; Publication No. US20030051270A1  
 ; GENERAL INFORMATION:

; APPLICANT: Kmiec, Eric B.  
 ; APPLICANT: Gamper, Howard B.  
 ; APPLICANT: Rice, Michael C.  
 ; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
 ; FILE REFERENCE: Napro-4  
 ; CURRENT APPLICATION NUMBER: US/09/818,875  
 ; CURRENT FILING DATE: 2001-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/192,176  
 ; PRIOR FILING DATE: 2000-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/192,179  
 ; PRIOR FILING DATE: 2000-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/208,538  
 ; PRIOR FILING DATE: 2000-06-01  
 ; PRIOR APPLICATION NUMBER: US 60/244,989  
 ; PRIOR FILING DATE: 2000-10-30  
 ; NUMBER OF SEQ ID NOS: 4385  
 ; SOFTWARE: Friedman macro Napro4  
 ; SEQ ID NO 3187  
 ; LENGTH: 17  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-818-875-3187

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
 Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 872 CCACAGCCCAAGTTCCAG 888  
 |||||  
 Db 1 CCACAGTCCACTTCCAG 17

## RESULT 750

US-09-784-674-53/c  
 ; Sequence 53, Application US/09784674  
 ; Publication No. US20030054346A1  
 ; GENERAL INFORMATION:

; APPLICANT: Shannon, Karen W.  
 ; APPLICANT: Wolber, Paul K.  
 ; APPLICANT: Delenstarr, Glenda C.  
 ; APPLICANT: Webb, Peter G.  
 ; APPLICANT: Kincaid, Robert H.  
 ; TITLE OF INVENTION: Methods for evaluating oligonucleotide

```

; probe sequences
;
; NUMBER OF SEQUENCES: 1165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
; COMPANY M/S 2080
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/784,674
; FILING DATE: 15-Feb-2001
; CLASSIFICATION: No. US20030054346A1 available
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/021,701
; FILING DATE: 10-FEB-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Choi, Wendy A.
; REGISTRATION NUMBER: 36,697
; REFERENCE/DOCKET NUMBER: 10971464-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-236-2386
; TELEFAX: 650-852-8063
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 53:
US-09-784-674-53

Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1249 GCCATGTGAGGCAGGT 1265
Db 17 GCCCTGTGGGCGAGT 1

RESULT 751
US-09-784-674-111
; Sequence 111, Application US/09784674
; Publication No. US20030054346A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Karen W.
; APPLICANT: Wolber, Paul K.
; APPLICANT: Dellenstarr, Glenda C.
; APPLICANT: Webb, Peter G.
; APPLICANT: Kincaid, Robert H.
; TITLE OF INVENTION: Methods for evaluating oligonucleotide
; probe sequences
; NUMBER OF SEQUENCES: 1165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
; COMPANY M/S 2080
; STREET: 3000 Hanover Street
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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;
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/784,674
; FILING DATE: 15-Feb-2001
; CLASSIFICATION: No. US20030054346A1 available
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/021,701
; FILING DATE: 10-FEB-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Choi, Wendy A.
; REGISTRATION NUMBER: 36,697
; REFERENCE/DOCKET NUMBER: 10971464-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-236-2386
; TELEFAX: 650-852-8063
; INFORMATION FOR SEQ ID NO: 111:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 111:
US-09-784-674-111

Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 296 TCTCTGCTGTGGGGCT 312
Db 1 TGTCTGTTTGGGGGAT 17

RESULT 752
US-09-780-533A-51
; Sequence 51, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haeblerli, Pete
; TITLE OF INVENTION: Method and reagent for the inhibition of NOGO Gene
; FILE REFERENCE: MBH00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 51
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-09-780-533A-51

Query Match 0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 4.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 221 GAGTCCTCAGCCTCAG 237
Db 1 GGGCCUCCUGGGGUCAG 17

RESULT 753
US-09-780-533A-718

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```
; Sequence 718, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; APPLICANT: Blatt, Larry
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haerberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBH00.878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 718
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-718

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 35.3%; Pred. No. 4.6e+02;
Matches 6; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

QY 1220 CTGTACATTGCTCTTG 1236
Db 1 CUGUAUUUACUUG 17

RESULT 754
US-09-780-533A-956
; Sequence 956, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haerberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBH00.878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 956
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-956

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 4.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 819 CGTCTGATGAGCTGA 835
Db 1 CUUCCUGCUGCAUUGA 17

RESULT 755
US-09-780-533A-2701/c
; Sequence 2701, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
```

```
; APPLICANT: Haerberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBH00.878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2701
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-2701

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 629 AGCTCCAGGAGCTCTGC 645
Db 17 AGCTCCACCATCTCTGC 1

RESULT 756
US-09-877-478-67
; Sequence 67, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 67
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-67

Query Match          0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 4.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1333 CTTGTGTTTCAGGCAGG 1349
Db 1 CUCGUGUACAGGCGGG 17

RESULT 757
US-09-877-478-120
```





APPLICANT: Blatt, Larry  
APPLICANT: McSwiggen, Jim  
APPLICANT: Morrissey, Dave  
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication  
FILE REFERENCE: MBH00-845-H (400/029)  
CURRENT APPLICATION NUMBER: US 09/877,478  
CURRENT FILING DATE: 2001-12-31  
PRIOR APPLICATION NUMBER: US 07/882,712  
PRIOR FILING DATE: 1992-05-14  
PRIOR APPLICATION NUMBER: US 09/531,025  
PRIOR FILING DATE: 2000-03-20  
PRIOR APPLICATION NUMBER: US 09/636,385  
PRIOR FILING DATE: 2000-08-09  
PRIOR APPLICATION NUMBER: US 09/696,347  
PRIOR FILING DATE: 2000-10-24  
PRIOR APPLICATION NUMBER: US 08/193,627  
PRIOR FILING DATE: 1994-02-07  
PRIOR APPLICATION NUMBER: US 08/433,993  
PRIOR FILING DATE: 1995-05-04  
PRIOR APPLICATION NUMBER: US 08/434,504  
PRIOR FILING DATE: 1995-05-04  
PRIOR APPLICATION NUMBER: US 09/436,430  
PRIOR FILING DATE: 1999-11-08  
NUMBER OF SEQ ID NOS: 6586  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 813  
LENGTH: 17  
TYPE: RNA  
ORGANISM: Hepatitis B virus  
US-09-877-478-813

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 41.2%; Pred. No. 4.6e+02;  
Matches 7; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

Qy 1136 GCTATGCTTTTCTTCT 1152  
||:||||: : : :  
Db 1 GCUAUGCUCUUCU 17

RESULT 761  
US-09-877-478-1194  
; Sequence 1194, Application US/09877478  
; Publication No. US20030068301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Draper, Kenneth  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Morrissey, Dave  
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication  
; FILE REFERENCE: MBH00-845-H (400/029)  
; CURRENT APPLICATION NUMBER: US 09/877,478  
; CURRENT FILING DATE: 2001-12-31  
; PRIOR APPLICATION NUMBER: US 07/882,712  
; PRIOR FILING DATE: 1992-05-14  
; PRIOR APPLICATION NUMBER: US 09/531,025  
; PRIOR FILING DATE: 2000-03-20  
; PRIOR APPLICATION NUMBER: US 09/636,385  
; PRIOR FILING DATE: 2000-08-09  
; PRIOR APPLICATION NUMBER: US 09/696,347  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 08/193,627  
; PRIOR FILING DATE: 1994-02-07  
; PRIOR APPLICATION NUMBER: US 08/433,993  
; PRIOR FILING DATE: 1995-05-04  
; PRIOR APPLICATION NUMBER: US 08/434,504  
; PRIOR FILING DATE: 1995-05-04  
; PRIOR APPLICATION NUMBER: US 09/436,430  
; PRIOR FILING DATE: 1999-11-08  
; NUMBER OF SEQ ID NOS: 6586  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1194

LENGTH: 17  
TYPE: RNA  
ORGANISM: Hepatitis B virus  
US-09-877-478-1194  
Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 58.8%; Pred. No. 4.6e+02;  
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1072 AGGCAGCTCTCAGTG 1088  
|||||: : : :  
Db 1 AGGCAGCUUUCUG 17

RESULT 762  
US-09-877-478-1630/c  
; Sequence 1630, Application US/09877478  
; Publication No. US20030068301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Draper, Kenneth  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Morrissey, Dave  
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication  
; FILE REFERENCE: MBH00-845-H (400/029)  
; CURRENT APPLICATION NUMBER: US 09/877,478  
; CURRENT FILING DATE: 2001-12-31  
; PRIOR APPLICATION NUMBER: US 07/882,712  
; PRIOR FILING DATE: 1992-05-14  
; PRIOR APPLICATION NUMBER: US 09/531,025  
; PRIOR FILING DATE: 2000-03-20  
; PRIOR APPLICATION NUMBER: US 09/636,385  
; PRIOR FILING DATE: 2000-08-09  
; PRIOR APPLICATION NUMBER: US 09/696,347  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 08/193,627  
; PRIOR FILING DATE: 1994-02-07  
; PRIOR APPLICATION NUMBER: US 08/433,993  
; PRIOR FILING DATE: 1995-05-04  
; PRIOR APPLICATION NUMBER: US 08/434,504  
; PRIOR FILING DATE: 1995-05-04  
; PRIOR APPLICATION NUMBER: US 09/436,430  
; PRIOR FILING DATE: 1999-11-08  
; NUMBER OF SEQ ID NOS: 6586  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1630  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Hepatitis B virus  
US-09-877-478-1630

Query Match 0.9%; Score 12.2; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 4.6e+02;  
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1006 GACAGCACCTGAGTG 1022  
|||||: : : :  
Db 17 GACATGAACATGAGTG 1

RESULT 763  
US-09-877-478-1765  
; Sequence 1765, Application US/09877478  
; Publication No. US20030068301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Draper, Kenneth  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Morrissey, Dave  
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication  
; FILE REFERENCE: MBH00-845-H (400/029)

US-09-848-754A-237/C  
; Sequence 237, Application US/09848754A  
; Publication No. US20030073207A1



```
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1824

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1145 TTTTCTCTTTTGGAG 1161
Db 17 TCTCTCTTTGTTGAG 1

RESULT 773
US-09-848-754A-1869
; Sequence 1869, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1869
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1869

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 566 CACTGCTCCAGCAGGCC 582
Db 1 CAUGGCCCCAGCAGGCC 17

RESULT 774
US-09-848-754A-1966/c
; Sequence 1966, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1966
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1966

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1102 AATTATGTAATTTCTG 1118
Db 17 AATTTGTAGTCTCTTG 1

RESULT 775
US-09-848-754A-2377/c
; Sequence 2377, Application US/09848754A
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; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2377
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2377

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 389 AGGTGGCAGCAATGGCC 405
Db 17 AGGTGGCACACATGGCC 1

RESULT 776
US-09-848-754A-2394
; Sequence 2394, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2394
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2394

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 4.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1235 TGGTGTGCGACGTGGCC 1251
Db 1 UGCUGCUGUGUGUGGCC 17

RESULT 777
US-09-848-754A-2395
; Sequence 2395, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2395
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2395

Query Match      0.9%; Score 12.2; DB 1; Length 17;
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; Best Local Similarity 58.8%; Pred. No. 4.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1238 TGCTGACGTGGCCCATG 1254
Db 1 UGCUGUGGUGGCCUUG 17

RESULT 778
US-09-848-754A-2447
; Sequence 2447, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2447
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2447

Query Match
Best Local Similarity 70.6%; Pred. No. 4.6e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 580 GCCCTCCCTGTCGCCCC 596
Db 1 GCCCUUGGUGGCCUCC 17

RESULT 779
US-09-848-754A-2477
; Sequence 2477, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2477
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2477

Query Match
Best Local Similarity 76.5%; Pred. No. 4.6e+02;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1018 AGATGGTCCCAAGTCC 1034
Db 1 AGAAGGAGGCAAGUCC 17

RESULT 780
US-09-848-754A-2519
; Sequence 2519, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
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; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2519
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2519

Query Match
Best Local Similarity 64.7%; Pred. No. 4.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 568 CTGCTCCAGCAGGCCCT 584
Db 1 CUUCUUCAGCAGCCCU 17

RESULT 781
US-09-848-754A-2522
; Sequence 2522, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2522
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2522

Query Match
Best Local Similarity 58.8%; Pred. No. 4.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 258 CCTCTGGCTGGCTGA 274
Db 1 CCUCUGAGCUCUGA 17

RESULT 782
US-09-848-754A-2574
; Sequence 2574, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2574
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2574

Query Match
Best Local Similarity 64.7%; Pred. No. 4.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 861 CTTTGGTCCCCACAG 877
Db 1 CUUAAGGCGUCCACAG 17
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; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3102

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 626 ACCAGCTCCAGGAGCTC 642
Db 17 AGCAGCGCCAGAGCGC 1

RESULT 786
US-09-848-754A-3383
; Sequence 3383, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3383
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3383

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 52.9%; Pred. No. 4.6e+02;
Matches 9; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 1234 TTGGTCTGGAGCTGGC 1250
Db 1 UUGGUGGUGGUGGUGGC 17

RESULT 787
US-09-776-474-683/c
; Sequence 683, Application US/09776474
; Publication No. US20030087847A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: Boher, Robert
; APPLICANT: Holman, Patricia
; APPLICANT: Pattaey, Ali
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (
; TITLE OF INVENTION: Enzyme
; FILE REFERENCE: MBH00-955-A (400/008)
; CURRENT APPLICATION NUMBER: US/09/776,474
; CURRENT FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 60/179,983
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 2992
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 683
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-776-474-683

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

US-09-776-474-683

; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3029/c
; Sequence 3029, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3029
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3029

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1104 TTAGTACTTTCGTT 1120
Db 17 TTTGTAGTCTCTGAT 1

RESULT 784
US-09-848-754A-3029/c
; Sequence 3029, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3029
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3029

Query Match      0.9%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 918 AAAGGAGATGGCAGATC 934
Db 17 AAAGGAGATTCAGAGC 1

RESULT 785
US-09-848-754A-3102/c
; Sequence 3102, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3102
; LENGTH: 17
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OM nucleic - nucleic search, using sw model

Run on: January 8, 2004, 16:47:08 ; Search time 23 Seconds  
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1.975 Million cell updates/sec

Title: us-09-904-568-3  
Perfect score: 1355  
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Scoring table: IDENTITY\_NUC

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Searched: 965 seqs, 16764 residues

Total number of hits satisfying chosen parameters: 1930

Minimum DB seq length: 12  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1010 summaries

Database : rnpb3.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

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C 1	18.8	1.4	24	1	US-09-978-244A-79 Sequence 79, Appl
C 2	18.2	1.3	25	1	US-10-061-201-3328 Sequence 3328, Ap
C 3	18.2	1.3	25	1	US-10-061-201-3329 Sequence 3329, Ap
C 4	18.2	1.3	25	1	US-10-061-201-3330 Sequence 3330, Ap
C 5	17.8	1.3	25	1	US-10-061-201-3326 Sequence 3326, Ap
C 6	17.8	1.3	25	1	US-10-061-201-3327 Sequence 3327, Ap
C 7	17.2	1.3	22	1	US-10-184-191-9 Sequence 9, Appli
C 8	16.4	1.2	21	1	US-09-876-235-29 Sequence 29, Appl
C 9	16.2	1.2	21	1	US-10-083-246A-108 Sequence 108, Ap
C 10	16	1.2	17	1	US-09-792-818-388 Sequence 388, Ap
C 11	16	1.2	17	1	US-09-792-818-389 Sequence 389, Ap
C 12	15.8	1.2	19	1	US-10-225-023-43 Sequence 43, Appl
C 13	15.8	1.2	19	1	US-10-225-023-781 Sequence 781, Ap
C 14	15.8	1.2	20	1	US-09-791-243-25 Sequence 25, Appl
C 15	15.8	1.2	20	1	US-09-842-758-79 Sequence 79, Appl
C 16	15.8	1.2	20	1	US-10-006-972A-87 Sequence 87, Appl
C 17	15.8	1.2	20	1	US-10-007-389-9 Sequence 9, Appli
C 18	15.8	1.2	20	1	US-10-322-138-52 Sequence 52, Appl
C 19	15.8	1.2	20	1	US-10-005-715-2 Sequence 2, Appli
C 20	15.8	1.2	22	1	US-10-189-956-14 Sequence 14, Appl
C 21	15.8	1.2	22	1	US-10-189-956-43 Sequence 43, Appl
C 22	15.4	1.1	18	1	US-09-813-289-4 Sequence 4, Appli
C 23	15.4	1.1	18	1	US-09-809-920-19 Sequence 19, Appl
C 24	15.4	1.1	20	1	US-10-024-369-81 Sequence 81, Appl
C 25	15.2	1.1	20	1	US-09-780-172-69 Sequence 69, Appl
C 26	15.2	1.1	20	1	US-09-989-420-23 Sequence 23, Appl
C 27	15.2	1.1	20	1	US-09-948-002-55 Sequence 55, Appl
C 28	15.2	1.1	20	1	US-09-954-556-94 Sequence 94, Appl
C 29	15.2	1.1	20	1	US-10-116-949-33 Sequence 33, Appl
C 30	15.2	1.1	20	1	US-10-116-949-43 Sequence 43, Appl
C 31	15.2	1.1	20	1	US-10-067-943-16 Sequence 16, Appl
C 32	15.2	1.1	20	1	US-10-271-887-168 Sequence 168, Ap
C 33	15.2	1.1	21	1	US-08-844-215-33 Sequence 33, Appl

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US-10-008-789-21

Sequence 49, Appl  
Sequence 387, App  
Sequence 390, App  
Sequence 124, App  
Sequence 424, App  
Sequence 69, Appl  
Sequence 1030, Ap  
Sequence 1795, Ap  
Sequence 71, Appl  
Sequence 129, App  
Sequence 809, App  
Sequence 867, App  
Sequence 23, Appl  
Sequence 42, Appl  
Sequence 32, Appl  
Sequence 23, Appl  
Sequence 35, Appl  
Sequence 25, Appl  
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Sequence 240, App  
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Sequence 17, Appl  
Sequence 109, App  
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Sequence 109, App  
Sequence 120, App  
Sequence 180, App  
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Sequence 21, Appl

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c 108	13.8	1.0	17	1	US-09-866-108-6157	Sequence 6157, Ap	181	13.4	1.0	17	1	US-09-989-735-493	Sequence 493, App
c 109	13.8	1.0	17	1	US-09-866-108-6158	Sequence 6158, Ap	182	13.4	1.0	17	1	US-09-990-444-493	Sequence 493, App
c 110	13.8	1.0	17	1	US-09-866-108-8382	Sequence 8382, Ap	183	13.4	1.0	17	1	US-09-991-181-493	Sequence 493, App
c 111	13.8	1.0	17	1	US-09-866-108-8383	Sequence 8383, Ap	184	13.4	1.0	17	1	US-09-989-730-493	Sequence 493, App
c 112	13.8	1.0	17	1	US-09-866-108-10228	Sequence 10228, A	185	13.4	1.0	17	1	US-09-990-436-493	Sequence 493, App
c 113	13.8	1.0	17	1	US-09-866-108-10229	Sequence 10229, A	186	13.4	1.0	17	1	US-09-993-687-493	Sequence 493, App
c 114	13.8	1.0	17	1	US-09-864-785-139	Sequence 139, App	187	13.4	1.0	17	1	US-09-989-734-493	Sequence 493, App
c 115	13.8	1.0	17	1	US-09-825-805-683	Sequence 683, App	188	13.4	1.0	17	1	US-09-997-653-493	Sequence 493, App
c 116	13.8	1.0	17	1	US-09-818-875-1874	Sequence 1874, Ap	189	13.4	1.0	17	1	US-09-993-667-493	Sequence 493, App
c 117	13.8	1.0	17	1	US-09-818-875-1875	Sequence 1875, Ap	190	13.4	1.0	17	1	US-09-997-428-493	Sequence 493, App
c 118	13.8	1.0	17	1	US-09-848-754A-17	Sequence 17, Appl	191	13.4	1.0	17	1	US-09-997-666-493	Sequence 493, App
c 119	13.8	1.0	17	1	US-09-848-754A-645	Sequence 645, App	192	13.4	1.0	17	1	US-09-990-438-493	Sequence 493, App
c 120	13.8	1.0	17	1	US-09-848-754A-881	Sequence 881, App	193	13.4	1.0	17	1	US-09-990-562-493	Sequence 493, App
c 121	13.8	1.0	17	1	US-09-930-423-1545	Sequence 1545, Ap	194	13.4	1.0	17	1	US-09-990-711-493	Sequence 493, App
c 122	13.8	1.0	17	1	US-09-780-164-455	Sequence 455, App	195	13.4	1.0	17	1	US-09-989-726-493	Sequence 493, App
c 123	13.8	1.0	17	1	US-09-827-395A-32	Sequence 32, Appl	196	13.4	1.0	17	1	US-09-998-156-493	Sequence 493, App
c 124	13.8	1.0	17	1	US-09-740-332-799	Sequence 799, App	197	13.4	1.0	17	1	US-09-990-437-493	Sequence 493, App
c 125	13.8	1.0	17	1	US-09-745-237A-1545	Sequence 1545, Ap	198	13.4	1.0	17	1	US-09-991-157-493	Sequence 493, App
c 126	13.8	1.0	17	1	US-09-792-818-391	Sequence 391, App	199	13.4	1.0	17	1	US-09-997-544-493	Sequence 493, App
c 127	13.8	1.0	17	1	US-10-046-671B-19	Sequence 19, Appl	200	13.4	1.0	17	1	US-09-997-573-493	Sequence 493, App
c 128	13.8	1.0	17	1	US-10-238-700-3174	Sequence 3174, Ap	201	13.4	1.0	17	1	US-09-991-172-493	Sequence 493, App
c 129	13.8	1.0	17	1	US-10-061-201-1260	Sequence 1260, Ap	202	13.4	1.0	17	1	US-09-818-875-35	Sequence 35, Appl
c 130	13.8	1.0	17	1	US-10-061-201-1261	Sequence 1261, Ap	c 203	13.4	1.0	17	1	US-09-818-875-36	Sequence 36, Appl
c 131	13.8	1.0	17	1	US-10-061-201-1262	Sequence 1262, Ap	c 204	13.4	1.0	17	1	US-09-818-875-39	Sequence 39, Appl
c 132	13.8	1.0	17	1	US-10-061-201-1263	Sequence 1263, Ap	c 205	13.4	1.0	17	1	US-09-818-875-40	Sequence 40, Appl
c 133	13.8	1.0	17	1	US-10-061-201-1264	Sequence 1264, Ap	c 206	13.4	1.0	17	1	US-09-818-875-43	Sequence 43, Appl
c 134	13.8	1.0	17	1	US-09-817-879-799	Sequence 799, App	c 207	13.4	1.0	17	1	US-09-818-875-44	Sequence 44, Appl
c 135	13.8	1.0	17	1	US-10-230-006-574	Sequence 574, App	c 208	13.4	1.0	17	1	US-09-818-875-3818	Sequence 3818, Ap
c 136	13.8	1.0	17	1	US-10-209-787-1874	Sequence 1874, Ap	c 209	13.4	1.0	17	1	US-09-990-726-493	Sequence 493, App
c 137	13.8	1.0	17	1	US-10-209-787-1875	Sequence 1875, Ap	c 210	13.4	1.0	17	1	US-09-997-559-493	Sequence 493, App
c 138	13.8	1.0	17	1	US-10-163-552-392	Sequence 392, App	c 211	13.4	1.0	17	1	US-09-997-601-493	Sequence 493, App
c 139	13.8	1.0	17	1	US-10-163-552-969	Sequence 969, App	c 212	13.4	1.0	17	1	US-09-990-443-493	Sequence 493, App
c 140	13.8	1.0	17	1	US-10-156-306-4868	Sequence 4868, Ap	c 213	13.4	1.0	17	1	US-09-991-854-493	Sequence 493, App
c 141	13.8	1.0	17	1	US-10-156-306-4868	Sequence 4868, Ap	c 214	13.4	1.0	17	1	US-09-997-628-493	Sequence 493, App
c 142	13.8	1.0	17	1	US-10-156-306-6338	Sequence 6328, Ap	c 215	13.4	1.0	17	1	US-09-997-683-493	Sequence 493, App
c 143	13.8	1.0	17	1	US-09-848-585-33	Sequence 33, Appl	c 216	13.4	1.0	17	1	US-09-989-728A-493	Sequence 493, App
c 144	13.8	1.0	18	1	US-09-361-077-583	Sequence 583, App	c 217	13.4	1.0	17	1	US-09-997-349-493	Sequence 493, App
c 145	13.8	1.0	18	1	US-09-539-382-14	Sequence 14, Appl	c 218	13.4	1.0	17	1	US-09-997-440-493	Sequence 493, App
c 146	13.8	1.0	18	1	US-10-251-598-193	Sequence 193, App	c 219	13.4	1.0	17	1	US-09-997-440-493	Sequence 493, App
c 147	13.8	1.0	18	1	US-10-440-850-1039	Sequence 1039, Ap	c 220	13.4	1.0	17	1	US-09-990-440-493	Sequence 493, App
c 148	13.8	1.0	18	1	US-10-067-790-14	Sequence 14, Appl	c 221	13.4	1.0	17	1	US-09-993-469-493	Sequence 493, App
c 149	13.8	1.0	18	1	US-10-067-892-14	Sequence 14, Appl	c 222	13.4	1.0	17	1	US-09-997-542-493	Sequence 493, App
c 150	13.8	1.0	18	1	US-10-146-058-98	Sequence 98, Appl	c 223	13.4	1.0	17	1	US-09-993-748-493	Sequence 493, App
c 151	13.8	1.0	18	1	US-10-067-893-14	Sequence 14, Appl	c 224	13.4	1.0	17	1	US-09-990-439-493	Sequence 493, App
c 152	13.8	1.0	19	1	US-09-726-774-106	Sequence 106, App	c 225	13.4	1.0	17	1	US-09-990-427-493	Sequence 493, App
c 153	13.8	1.0	19	1	US-09-996-263-33	Sequence 33, Appl	c 226	13.4	1.0	17	1	US-09-989-328-493	Sequence 493, App
c 154	13.8	1.0	19	1	US-09-370-541-4	Sequence 4, Appl	c 227	13.4	1.0	17	1	US-09-993-583-493	Sequence 493, App
c 155	13.8	1.0	19	1	US-10-313-739-21	Sequence 21, Appl	c 228	13.4	1.0	17	1	US-09-941-993-493	Sequence 493, App
c 156	13.8	1.0	19	1	US-10-225-023-45	Sequence 45, Appl	c 229	13.4	1.0	17	1	US-09-992-521-493	Sequence 493, App
c 157	13.8	1.0	19	1	US-10-225-023-783	Sequence 783, App	c 230	13.4	1.0	17	1	US-09-997-333-493	Sequence 493, App
c 158	13.8	1.0	19	1	US-10-180-781-29	Sequence 29, Appl	c 231	13.4	1.0	17	1	US-09-997-384-493	Sequence 493, App
c 159	13.8	1.0	19	1	US-10-180-781-43	Sequence 43, Appl	c 232	13.4	1.0	17	1	US-09-930-423-1546	Sequence 1546, Ap
c 160	13.8	1.0	19	1	US-10-084-639-3053	Sequence 3053, Ap	c 233	13.4	1.0	17	1	US-09-930-423-1547	Sequence 1547, Ap
c 161	13.8	1.0	19	1	US-10-352-586-33	Sequence 35, Appl	c 234	13.4	1.0	17	1	US-09-998-041-493	Sequence 493, App
c 162	13.8	1.0	19	1	US-10-205-309-35	Sequence 35, Appl	c 235	13.4	1.0	17	1	US-09-997-585-493	Sequence 493, App
c 163	13.8	1.0	19	1	US-10-205-309-81	Sequence 81, Appl	c 236	13.4	1.0	17	1	US-09-997-614-493	Sequence 493, App
c 164	13.8	1.0	19	1	US-10-205-309-360	Sequence 360, App	c 237	13.4	1.0	17	1	US-09-989-725-493	Sequence 493, App
c 165	13.8	1.0	19	1	US-10-205-309-406	Sequence 406, App	c 238	13.4	1.0	17	1	US-09-992-643-493	Sequence 493, App
c 166	13.4	1.0	16	1	US-10-307-928A-36	Sequence 36, Appl	c 239	13.4	1.0	17	1	US-09-989-862-493	Sequence 1546, Ap
c 167	13.4	1.0	17	1	US-09-989-722-493	Sequence 493, App	c 240	13.4	1.0	17	1	US-09-745-237A-1546	Sequence 1546, Ap
c 168	13.4	1.0	17	1	US-09-989-723-493	Sequence 493, App	c 241	13.4	1.0	17	1	US-09-745-237A-1547	Sequence 1547, Ap
c 169	13.4	1.0	17	1	US-09-989-279-493	Sequence 493, App	c 242	13.4	1.0	17	1	US-09-989-725-493	Sequence 493, App
c 170	13.4	1.0	17	1	US-09-989-727-493	Sequence 493, App	c 243	13.4	1.0	17	1	US-09-997-529-493	Sequence 493, App
c 171	13.4	1.0	17	1	US-09-989-731-493	Sequence 493, App	c 244	13.4	1.0	17	1	US-10-238-700-297	Sequence 297, App
c 172	13.4	1.0	17	1	US-09-989-732-493	Sequence 493, App	c 245	13.4	1.0	17	1	US-10-238-700-1284	Sequence 1284, Ap
c 173	13.4	1.0	17	1	US-09-991-073-493	Sequence 493, App	c 246	13.4	1.0	17	1	US-10-238-700-2999	Sequence 2999, Ap
c 174	13.4	1.0	17	1	US-09-990-442-493	Sequence 493, App	c 247	13.4	1.0	17	1	US-10-238-700-3336	Sequence 3336, Ap
c 175	13.4	1.0	17	1	US-09-991-163-493	Sequence 493, App	c 248	13.4	1.0	17	1	US-10-061-201-494	Sequence 494, App
c 176	13.4	1.0	17	1	US-09-993-604-493	Sequence 493, App	c 249	13.4	1.0	17	1	US-10-061-201-495	Sequence 495, App
c 177	13.4	1.0	17	1	US-09-990-456-493	Sequence 493, App	c 250	13.4	1.0	17	1	US-10-061-201-496	Sequence 496, App
c 178	13.4	1.0	17	1	US-09-989-721-493	Sequence 493, App	c 251	13.4	1.0	17	1	US-10-061-201-1265	Sequence 1265, Ap
c 179	13.4	1.0	17	1	US-09-992-598-493	Sequence 493, App	c 252	13.4	1.0	17	1	US-10-210-951-180	Sequence 180, App



253	13.4	1.0	17	1	US-10-211-884-180	Sequence 180, App	C 326	12.8	0.9	16	1	US-10-084-838-3619	Sequence 3619, App
C 254	13.4	1.0	17	1	US-10-339-793-137	Sequence 137, App	C 327	12.8	0.9	16	1	US-10-191-997-24	Sequence 24, Appl
255	13.4	1.0	17	1	US-10-230-006-61	Sequence 61, Appl	328	12.8	0.9	16	1	US-10-214-793-6	Sequence 6, Appl
256	13.4	1.0	17	1	US-10-230-006-575	Sequence 575, App	C 329	12.8	0.9	17	1	US-09-866-108-1782	Sequence 1782, Ap
C 257	13.4	1.0	17	1	US-10-209-787-35	Sequence 35, Appl	C 330	12.8	0.9	17	1	US-09-866-108-1784	Sequence 1784, Ap
258	13.4	1.0	17	1	US-10-209-787-36	Sequence 36, Appl	C 331	12.8	0.9	17	1	US-09-866-108-1889	Sequence 1889, Ap
259	13.4	1.0	17	1	US-10-209-787-39	Sequence 39, Appl	C 332	12.8	0.9	17	1	US-09-866-108-1890	Sequence 1890, Ap
C 260	13.4	1.0	17	1	US-10-209-787-40	Sequence 40, Appl	C 333	12.8	0.9	17	1	US-09-866-108-6156	Sequence 6156, Ap
261	13.4	1.0	17	1	US-10-209-787-43	Sequence 43, Appl	C 334	12.8	0.9	17	1	US-09-866-108-6159	Sequence 6159, Ap
C 262	13.4	1.0	17	1	US-10-209-787-44	Sequence 44, Appl	C 335	12.8	0.9	17	1	US-09-866-108-6266	Sequence 6266, Ap
C 263	13.4	1.0	17	1	US-10-209-787-3818	Sequence 3818, Ap	C 336	12.8	0.9	17	1	US-09-866-108-6267	Sequence 6267, Ap
264	13.4	1.0	17	1	US-10-209-787-3819	Sequence 3819, Ap	C 337	12.8	0.9	17	1	US-09-866-108-6507	Sequence 6507, Ap
265	13.4	1.0	17	1	US-10-219-538-493	Sequence 493, App	C 338	12.8	0.9	17	1	US-09-866-108-6508	Sequence 6508, Ap
266	13.4	1.0	17	1	US-10-060-758A-383	Sequence 383, App	C 339	12.8	0.9	17	1	US-09-866-108-8381	Sequence 8381, Ap
267	13.4	1.0	17	1	US-10-060-756A-384	Sequence 384, App	C 340	12.8	0.9	17	1	US-09-866-108-8384	Sequence 8384, Ap
268	13.4	1.0	17	1	US-10-060-756A-385	Sequence 385, App	C 341	12.8	0.9	17	1	US-09-866-108-9579	Sequence 9579, Ap
269	13.4	1.0	17	1	US-10-100-321-17	Sequence 17, Appl	C 342	12.8	0.9	17	1	US-09-866-108-9580	Sequence 9580, Ap
C 270	13.4	1.0	17	1	US-10-060-998-593	Sequence 593, App	C 343	12.8	0.9	17	1	US-09-866-108-10227	Sequence 10227, A
C 271	13.4	1.0	17	1	US-10-060-998-594	Sequence 594, App	C 344	12.8	0.9	17	1	US-09-866-108-10230	Sequence 10230, A
C 272	13.4	1.0	17	1	US-10-060-998-595	Sequence 595, App	C 345	12.8	0.9	17	1	US-09-866-108-10231	Sequence 10231, A
C 273	13.4	1.0	17	1	US-10-156-306-4467	Sequence 4467, Ap	C 346	12.8	0.9	17	1	US-09-866-108-10232	Sequence 10232, A
274	13.4	1.0	17	1	US-10-156-306-4807	Sequence 4807, Ap	C 347	12.8	0.9	17	1	US-09-866-108-10233	Sequence 10233, A
275	13.4	1.0	17	1	US-10-156-306-4967	Sequence 4967, Ap	C 348	12.8	0.9	17	1	US-09-866-108-10727	Sequence 10727, A
276	13.4	1.0	17	1	US-10-156-306-4968	Sequence 4968, Ap	C 349	12.8	0.9	17	1	US-09-866-108-10728	Sequence 10728, A
277	13.4	1.0	17	1	US-10-156-306-5781	Sequence 5781, Ap	C 350	12.8	0.9	17	1	US-09-866-108-10729	Sequence 10729, A
278	13.4	1.0	17	1	US-10-156-306-5888	Sequence 5888, Ap	C 351	12.8	0.9	17	1	US-09-866-108-10730	Sequence 10730, A
C 279	13.4	1.0	17	1	US-10-156-306-5889	Sequence 5889, Ap	C 352	12.8	0.9	17	1	US-09-730-857-79	Sequence 79, Appl
280	13.4	1.0	17	1	US-10-156-306-5895	Sequence 5895, Ap	C 353	12.8	0.9	17	1	US-09-864-785-83	Sequence 83, Appl
C 281	13.4	1.0	18	1	US-09-847-113-9	Sequence 9, Appl	C 354	12.8	0.9	17	1	US-09-864-785-145	Sequence 145, App
C 282	13.4	1.0	18	1	US-09-880-732-51	Sequence 51, Appl	C 355	12.8	0.9	17	1	US-09-864-785-404	Sequence 404, App
283	13.4	1.0	18	1	US-10-106-799-3	Sequence 3, Appl	C 356	12.8	0.9	17	1	US-09-864-785-406	Sequence 406, App
284	13.4	1.0	18	1	US-09-823-887C-7	Sequence 7, Appl	C 357	12.8	0.9	17	1	US-09-864-785-472	Sequence 472, App
285	13.4	1.0	18	1	US-10-109-363-18	Sequence 18, Appl	C 358	12.8	0.9	17	1	US-09-864-785-633	Sequence 633, App
286	13.4	1.0	18	1	US-10-440-850-1065	Sequence 1065, App	C 359	12.8	0.9	17	1	US-09-864-785-677	Sequence 677, App
C 287	13.2	1.0	18	1	US-08-887-505-50	Sequence 50, Appl	C 360	12.8	0.9	17	1	US-09-864-785-678	Sequence 678, App
C 288	13.2	1.0	18	1	US-09-875-338-38	Sequence 38, Appl	C 361	12.8	0.9	17	1	US-09-864-785-2739	Sequence 2739, Ap
289	13.2	1.0	18	1	US-09-901-484A-354	Sequence 354, App	C 362	12.8	0.9	17	1	US-09-864-785-387	Sequence 387, App
290	13.2	1.0	18	1	US-09-771-730-129	Sequence 129, App	C 363	12.8	0.9	17	1	US-09-961-077-75	Sequence 75, Appl
291	13.2	1.0	18	1	US-09-263-959-716	Sequence 716, App	C 364	12.8	0.9	17	1	US-09-961-077-886	Sequence 886, App
292	13.2	1.0	18	1	US-09-853-526-354	Sequence 354, App	C 365	12.8	0.9	17	1	US-09-269-921-72	Sequence 72, Appl
293	13.2	1.0	18	1	US-09-782-974C-106	Sequence 106, App	C 366	12.8	0.9	17	1	US-09-730-289B-124	Sequence 124, App
294	13.2	1.0	18	1	US-10-133-779-92	Sequence 92, Appl	C 367	12.8	0.9	17	1	US-09-730-289B-125	Sequence 125, App
295	13.2	1.0	18	1	US-10-424-211-14	Sequence 14, Appl	C 368	12.8	0.9	17	1	US-09-730-289B-1043	Sequence 1043, Ap
296	13.2	1.0	18	1	US-10-046-922-75	Sequence 75, Appl	C 369	12.8	0.9	17	1	US-09-818-875-3842	Sequence 3842, Ap
C 297	13.2	1.0	18	1	US-10-077-023-38	Sequence 38, Appl	C 370	12.8	0.9	17	1	US-09-818-875-3843	Sequence 3843, Ap
298	13.2	1.0	18	1	US-10-181-603-10	Sequence 10, Appl	C 371	12.8	0.9	17	1	US-09-818-875-4094	Sequence 4094, Ap
299	13.2	1.0	18	1	US-10-067-125-8	Sequence 8, Appl	C 372	12.8	0.9	17	1	US-09-818-875-4095	Sequence 4095, Ap
C 300	13.2	1.0	18	1	US-10-188-404-33	Sequence 33, Appl	C 373	12.8	0.9	17	1	US-09-877-478-686	Sequence 686, App
C 301	13	1.0	14	1	US-09-152-059-116	Sequence 116, App	C 374	12.8	0.9	17	1	US-09-877-478-1414	Sequence 1414, Ap
C 302	13	1.0	14	1	US-10-008-029-116	Sequence 116, App	C 375	12.8	0.9	17	1	US-09-877-478-1819	Sequence 1819, Ap
C 303	13	1.0	14	1	US-10-208-650-116	Sequence 116, App	C 376	12.8	0.9	17	1	US-09-848-754A-452	Sequence 452, App
C 304	13	1.0	15	1	US-09-805-296D-12	Sequence 12, Appl	C 377	12.8	0.9	17	1	US-09-848-754A-880	Sequence 880, App
305	13	1.0	15	1	US-10-051-436-12	Sequence 12, Appl	C 378	12.8	0.9	17	1	US-09-848-754A-882	Sequence 882, App
306	13	1.0	15	1	US-10-056-414-311	Sequence 311, App	C 379	12.8	0.9	17	1	US-09-848-754A-1570	Sequence 1570, Ap
307	13	1.0	15	1	US-10-072-975-12	Sequence 12, Appl	C 380	12.8	0.9	17	1	US-09-848-754A-1971	Sequence 1971, Ap
308	13	1.0	15	1	US-10-156-306-7861	Sequence 7861, Ap	C 381	12.8	0.9	17	1	US-09-848-754A-2520	Sequence 2520, Ap
C 309	13	1.0	17	1	US-09-848-754A-4	Sequence 4, Appl	C 382	12.8	0.9	17	1	US-09-930-423-17	Sequence 17, Appl
C 310	13	1.0	17	1	US-09-848-754A-2130	Sequence 2130, Ap	C 383	12.8	0.9	17	1	US-09-930-423-573	Sequence 573, App
C 311	13	1.0	17	1	US-09-848-754A-2131	Sequence 2131, Ap	C 384	12.8	0.9	17	1	US-09-930-423-696	Sequence 696, App
C 312	13	1.0	17	1	US-09-848-754A-3077	Sequence 3077, Ap	C 385	12.8	0.9	17	1	US-09-930-423-1031	Sequence 1031, Ap
313	13	1.0	17	1	US-10-352-762-29	Sequence 29, Appl	C 386	12.8	0.9	17	1	US-09-930-423-1277	Sequence 1277, Ap
314	13	1.0	17	1	US-10-340-192-81	Sequence 81, Appl	C 387	12.8	0.9	17	1	US-09-930-423-1544	Sequence 1544, Ap
315	13	1.0	17	1	US-10-060-756A-381	Sequence 381, App	C 388	12.8	0.9	17	1	US-09-930-423-1590	Sequence 1590, Ap
316	13	1.0	17	1	US-10-060-756A-382	Sequence 382, App	C 389	12.8	0.9	17	1	US-09-930-423-1591	Sequence 1591, Ap
317	13	1.0	17	1	US-10-156-306-4405	Sequence 4405, Ap	C 390	12.8	0.9	17	1	US-09-780-164-454	Sequence 454, App
318	13	1.0	17	1	US-10-156-306-4406	Sequence 4406, Ap	C 391	12.8	0.9	17	1	US-09-780-164-926	Sequence 926, App
319	13	1.0	17	1	US-10-156-306-4864	Sequence 4864, Ap	C 392	12.8	0.9	17	1	US-09-509-098-94	Sequence 94, Appl
320	13	1.0	17	1	US-10-156-306-4865	Sequence 4865, Ap	C 393	12.8	0.9	17	1	US-09-827-395A-33	Sequence 33, Appl
321	13	1.0	17	1	US-10-156-306-4969	Sequence 4969, Ap	C 394	12.8	0.9	17	1	US-09-827-395A-196	Sequence 196, App
C 322	13	1.0	17	1	US-10-156-306-5103	Sequence 5103, Ap	C 395	12.8	0.9	17	1	US-09-827-395A-197	Sequence 197, App
C 323	13	1.0	17	1	US-10-156-306-5970	Sequence 5970, Ap	C 396	12.8	0.9	17	1	US-09-827-395A-259	Sequence 259, App
324	12.8	0.9	16	1	US-09-891-517-73	Sequence 73, Appl	C 397	12.8	0.9	17	1	US-09-827-395A-690	Sequence 690, App
C 325	12.8	0.9	16	1	US-09-894-159-64	Sequence 64, Appl	C 398	12.8	0.9	17	1	US-09-740-332-594	Sequence 594, App

C 399	12.8	0.9	17	1	US-09-740-332-3756	Sequence 3756, Ap	472	12.8	0.9	18	1	US-09-961-077-629	Sequence 629, App
C 400	12.8	0.9	17	1	US-09-740-332-3961	Sequence 3961, Ap	473	12.8	0.9	18	1	US-09-906-408A-36	Sequence 36, Appl
C 401	12.8	0.9	17	1	US-10-297-068-562	Sequence 562, App	C 474	12.8	0.9	18	1	US-09-951-535-8	Sequence 8, Appl
C 402	12.8	0.9	17	1	US-10-297-068-1053	Sequence 1053, Ap	C 475	12.8	0.9	18	1	US-09-978-600-28	Sequence 28, Appl
C 403	12.8	0.9	17	1	US-10-297-068-1144	Sequence 1144, Ap	476	12.8	0.9	18	1	US-09-864-636A-2557	Sequence 2557, Ap
C 404	12.8	0.9	17	1	US-10-297-068-1160	Sequence 1160, Ap	477	12.8	0.9	18	1	US-10-297-068-108	Sequence 108, App
C 405	12.8	0.9	17	1	US-10-297-068-1209	Sequence 1209, Ap	C 478	12.8	0.9	18	1	US-10-297-068-120	Sequence 120, App
C 406	12.8	0.9	17	1	US-10-307-005-871	Sequence 871, App	479	12.8	0.9	18	1	US-10-297-068-158	Sequence 158, App
C 407	12.8	0.9	17	1	US-10-307-005-872	Sequence 872, App	C 480	12.8	0.9	18	1	US-10-297-068-579	Sequence 579, App
C 408	12.8	0.9	17	1	US-10-307-005-887	Sequence 887, App	481	12.8	0.9	18	1	US-10-297-068-597	Sequence 597, App
C 409	12.8	0.9	17	1	US-10-307-005-888	Sequence 888, App	482	12.8	0.9	18	1	US-10-297-068-598	Sequence 598, App
C 410	12.8	0.9	17	1	US-09-745-237A-17	Sequence 17, Appl	483	12.8	0.9	18	1	US-10-388-263-187	Sequence 187, App
C 411	12.8	0.9	17	1	US-09-745-237A-573	Sequence 573, App	484	12.8	0.9	18	1	US-10-271-602B-103	Sequence 103, App
C 412	12.8	0.9	17	1	US-09-745-237A-696	Sequence 696, App	C 485	12.8	0.9	18	1	US-10-277-216-178	Sequence 2, Appl
C 413	12.8	0.9	17	1	US-09-745-237A-1031	Sequence 1031, Ap	486	12.8	0.9	18	1	US-10-388-329-2	Sequence 85, Appl
C 414	12.8	0.9	17	1	US-09-745-237A-1277	Sequence 1277, Ap	487	12.8	0.9	18	1	US-10-168-771-85	Sequence 160, App
C 415	12.8	0.9	17	1	US-09-745-237A-1544	Sequence 1544, Ap	488	12.8	0.9	18	1	US-10-300-215-160	Sequence 117, App
C 416	12.8	0.9	17	1	US-09-745-237A-1544	Sequence 1544, Ap	C 489	12.8	0.9	18	1	US-10-133-779-117	Sequence 132, App
C 417	12.8	0.9	17	1	US-09-745-237A-1590	Sequence 1590, Ap	C 490	12.8	0.9	18	1	US-10-133-779-132	Sequence 9, Appl
C 418	12.8	0.9	17	1	US-09-745-237A-1591	Sequence 1591, Ap	C 491	12.8	0.9	18	1	US-10-302-551-9	Sequence 6, Appl
C 419	12.8	0.9	17	1	US-09-792-818-525	Sequence 525, App	492	12.8	0.9	18	1	US-10-394-058-6	Sequence 2557, Ap
C 420	12.8	0.9	17	1	US-09-792-818-617	Sequence 617, App	493	12.8	0.9	18	1	US-10-084-839-2557	Sequence 29, Appl
C 421	12.8	0.9	17	1	US-09-792-818-711	Sequence 711, Appl	C 494	12.8	0.9	18	1	US-10-303-109A-29	Sequence 58, Appl
C 422	12.8	0.9	17	1	US-10-071-299-10	Sequence 10, Appl	C 495	12.8	0.9	18	1	US-10-302-817A-58	Sequence 30, Appl
C 423	12.8	0.9	17	1	US-10-238-700-684	Sequence 684, App	C 496	12.8	0.9	18	1	US-10-236-104-30	Sequence 66, Appl
C 424	12.8	0.9	17	1	US-10-238-700-1283	Sequence 1283, Ap	C 497	12.8	0.9	18	1	US-10-004-551-66	Sequence 69, Appl
C 425	12.8	0.9	17	1	US-10-238-700-3193	Sequence 3193, Ap	498	12.8	0.9	18	1	US-10-100-551-69	Sequence 34, Appl
C 426	12.8	0.9	17	1	US-10-238-700-3194	Sequence 3194, Ap	499	12.8	0.9	18	1	US-10-197-290-34	Sequence 115, App
C 427	12.8	0.9	17	1	US-10-061-201-220	Sequence 220, App	C 500	12.8	0.9	20	1	US-10-172-086-115	Sequence 55, Appl
C 428	12.8	0.9	17	1	US-10-061-201-221	Sequence 221, App	C 501	12.6	0.9	14	1	US-09-948-002-55	Sequence 1, Appl
C 429	12.8	0.9	17	1	US-10-061-201-1247	Sequence 1247, Ap	502	12.4	0.9	14	1	US-10-103-614A-1	Sequence 23, Appl
C 430	12.8	0.9	17	1	US-10-061-201-1248	Sequence 1248, Ap	503	12.4	0.9	14	1	US-10-301-844-23	Sequence 695, App
C 431	12.8	0.9	17	1	US-10-061-201-1259	Sequence 1259, Ap	C 504	12.4	0.9	15	1	US-09-504-231A-695	Sequence 695, App
C 432	12.8	0.9	17	1	US-10-061-201-1267	Sequence 1267, Ap	C 505	12.4	0.9	15	1	US-09-274-553D-695	Sequence 17, Appl
C 433	12.8	0.9	17	1	US-10-061-201-1766	Sequence 1766, Ap	506	12.4	0.9	15	1	US-09-754-066-17	Sequence 212, App
C 434	12.8	0.9	17	1	US-10-061-201-1767	Sequence 1767, Ap	507	12.4	0.9	15	1	US-09-880-313A-212	Sequence 31, Appl
C 435	12.8	0.9	17	1	US-10-339-782-102	Sequence 102, App	C 508	12.4	0.9	16	1	US-10-188-404-31	Sequence 179, App
C 436	12.8	0.9	17	1	US-09-817-879-594	Sequence 594, App	C 509	12.4	0.9	16	1	US-09-829-855-179	Sequence 1819, Ap
C 437	12.8	0.9	17	1	US-09-817-879-3756	Sequence 3756, Ap	C 510	12.4	0.9	17	1	US-09-877-478-1819	Sequence 3, Appl
C 438	12.8	0.9	17	1	US-10-340-192-82	Sequence 82, Appl	511	12.4	0.9	17	1	US-09-788-362-3	Sequence 831, App
C 439	12.8	0.9	17	1	US-10-230-006-486	Sequence 486, App	512	12.4	0.9	17	1	US-09-866-108-831	Sequence 832, App
C 440	12.8	0.9	17	1	US-10-230-006-487	Sequence 487, App	513	12.4	0.9	17	1	US-09-866-108-832	Sequence 833, App
C 441	12.8	0.9	17	1	US-10-260-638-91	Sequence 91, Appl	514	12.4	0.9	17	1	US-09-866-108-833	Sequence 834, App
C 442	12.8	0.9	17	1	US-10-260-638-92	Sequence 92, Appl	C 515	12.4	0.9	17	1	US-09-866-108-834	Sequence 2184, Ap
C 443	12.8	0.9	17	1	US-10-209-787-3842	Sequence 3842, Ap	C 516	12.4	0.9	17	1	US-09-866-108-2184	Sequence 2185, Ap
C 444	12.8	0.9	17	1	US-10-209-787-3843	Sequence 3843, Ap	C 517	12.4	0.9	17	1	US-09-866-108-2185	Sequence 2186, Ap
C 445	12.8	0.9	17	1	US-10-209-787-4094	Sequence 4094, Ap	C 518	12.4	0.9	17	1	US-09-866-108-2186	Sequence 2187, Ap
C 446	12.8	0.9	17	1	US-10-209-787-4095	Sequence 4095, Ap	C 519	12.4	0.9	17	1	US-09-866-108-2187	Sequence 6316, Ap
C 447	12.8	0.9	17	1	US-10-060-830-702	Sequence 702, App	520	12.4	0.9	17	1	US-09-866-108-6316	Sequence 6317, Ap
C 448	12.8	0.9	17	1	US-10-060-830-703	Sequence 703, App	521	12.4	0.9	17	1	US-09-866-108-6317	Sequence 6318, Ap
C 449	12.8	0.9	17	1	US-10-060-756A-1816	Sequence 1816, Ap	522	12.4	0.9	17	1	US-09-866-108-6318	Sequence 6319, Ap
C 450	12.8	0.9	17	1	US-10-060-756A-1817	Sequence 1817, Ap	523	12.4	0.9	17	1	US-09-866-108-6509	Sequence 6509, Ap
C 451	12.8	0.9	17	1	US-10-060-756A-4084	Sequence 4084, Ap	524	12.4	0.9	17	1	US-09-866-108-6510	Sequence 6510, Ap
C 452	12.8	0.9	17	1	US-10-060-756A-4085	Sequence 4085, Ap	525	12.4	0.9	17	1	US-09-866-108-6511	Sequence 7284, Ap
C 453	12.8	0.9	17	1	US-10-163-552-316	Sequence 316, App	526	12.4	0.9	17	1	US-09-866-108-7284	Sequence 7285, Ap
C 454	12.8	0.9	17	1	US-10-163-552-423	Sequence 423, App	527	12.4	0.9	17	1	US-09-866-108-7285	Sequence 7286, Ap
C 455	12.8	0.9	17	1	US-10-156-306-1580	Sequence 1580, Ap	528	12.4	0.9	17	1	US-09-866-108-7286	Sequence 7287, Ap
C 456	12.8	0.9	17	1	US-10-156-306-5078	Sequence 5078, Ap	529	12.4	0.9	17	1	US-09-866-108-7287	Sequence 7617, Ap
C 457	12.8	0.9	17	1	US-10-156-306-5079	Sequence 5079, Ap	C 530	12.4	0.9	17	1	US-09-866-108-7614	Sequence 7615, Ap
C 458	12.8	0.9	17	1	US-10-156-306-5922	Sequence 5922, Ap	C 531	12.4	0.9	17	1	US-09-866-108-7615	Sequence 7616, Ap
C 459	12.8	0.9	17	1	US-10-156-306-6867	Sequence 6867, Ap	C 532	12.4	0.9	17	1	US-09-866-108-7616	Sequence 7617, Ap
C 460	12.8	0.9	17	1	US-10-218-253-72	Sequence 72, Appl	C 533	12.4	0.9	17	1	US-09-866-108-8379	Sequence 8379, Ap
C 461	12.8	0.9	17	1	US-09-743-373-6	Sequence 6, Appl	C 534	12.4	0.9	17	1	US-09-866-108-8380	Sequence 8380, Ap
C 462	12.8	0.9	18	1	US-09-853-688-22	Sequence 22, Appl	C 535	12.4	0.9	17	1	US-09-866-108-8385	Sequence 8385, Ap
C 463	12.8	0.9	18	1	US-09-853-688-57	Sequence 57, Appl	C 536	12.4	0.9	17	1	US-09-866-108-8386	Sequence 9324, Ap
C 464	12.8	0.9	18	1	US-09-951-536-8	Sequence 8, Appl	C 537	12.4	0.9	17	1	US-09-866-108-9325	Sequence 9325, Ap
C 465	12.8	0.9	18	1	US-09-969-373-1726	Sequence 1726, Ap	538	12.4	0.9	17	1	US-09-866-108-9326	Sequence 9326, Ap
C 466	12.8	0.9	18	1	US-09-969-373-3316	Sequence 3316, Ap	539	12.4	0.9	17	1	US-09-866-108-9327	Sequence 9327, Ap
C 467	12.8	0.9	18	1	US-09-897-438B-11	Sequence 11, Appl	540	12.4	0.9	17	1	US-09-866-108-9806	Sequence 9806, Ap
C 468	12.8	0.9	18	1	US-09-963-521-8	Sequence 8, Appl	541	12.4	0.9	17	1	US-09-866-108-9807	Sequence 9807, Ap
C 469	12.8	0.9	18	1	US-09-834-721-8	Sequence 8, Appl	C 542	12.4	0.9	17	1	US-09-866-108-9808	Sequence 9808, Ap
C 470	12.8	0.9	18	1	US-09-783-388-6	Sequence 6, Appl	C 543	12.4	0.9	17	1	US-09-866-108-9809	Sequence 9809, Ap
C 471	12.8	0.9	18	1	US-09-961-077-609	Sequence 609, App	C 544	12.4	0.9	17	1	US-09-866-108-9810	Sequence 9810, Ap

C 545	12.4	0.9	17	1	US-09-866-108-9809	Sequence 9809, Ap	618	12.4	0.9	17	1	US-10-230-006-1243	Sequence 1243, Ap
C 546	12.4	0.9	17	1	US-09-866-108-10500	Sequence 10500, A	c 619	12.4	0.9	17	1	US-10-230-006-1404	Sequence 1404, Ap
C 547	12.4	0.9	17	1	US-09-866-108-10501	Sequence 10501, A	620	12.4	0.9	17	1	US-10-230-006-2085	Sequence 2085, Ap
C 548	12.4	0.9	17	1	US-09-866-108-10502	Sequence 10502, A	621	12.4	0.9	17	1	US-09-730-559B-108	Sequence 108, App
C 549	12.4	0.9	17	1	US-09-866-108-10503	Sequence 10503, A	c 622	12.4	0.9	17	1	US-10-209-787-291	Sequence 291, App
C 550	12.4	0.9	17	1	US-09-866-108-10509	Sequence 10509, A	c 623	12.4	0.9	17	1	US-10-209-787-292	Sequence 292, App
C 551	12.4	0.9	17	1	US-09-866-108-10510	Sequence 10510, A	c 624	12.4	0.9	17	1	US-10-360-705-55	Sequence 55, Appl
C 552	12.4	0.9	17	1	US-09-866-108-10511	Sequence 10511, A	625	12.4	0.9	17	1	US-10-106-831-9	Sequence 9, Appl
C 553	12.4	0.9	17	1	US-09-866-108-10512	Sequence 10512, A	c 626	12.4	0.9	17	1	US-10-106-830-43	Sequence 43, Appl
C 554	12.4	0.9	17	1	US-09-990-672B-106	Sequence 106, App	c 627	12.4	0.9	17	1	US-10-060-830-44	Sequence 44, Appl
C 555	12.4	0.9	17	1	US-09-788-338-3	Sequence 3, Appl	c 628	12.4	0.9	17	1	US-10-060-830-45	Sequence 45, Appl
C 556	12.4	0.9	17	1	US-09-864-785-216	Sequence 216, App	c 629	12.4	0.9	17	1	US-10-060-830-46	Sequence 46, Appl
C 557	12.4	0.9	17	1	US-09-864-785-1521	Sequence 1521, Ap	c 630	12.4	0.9	17	1	US-10-060-830-701	Sequence 701, App
C 558	12.4	0.9	17	1	US-09-864-785-2778	Sequence 2778, Ap	c 631	12.4	0.9	17	1	US-10-060-830-700	Sequence 700, App
C 559	12.4	0.9	17	1	US-09-825-805-408	Sequence 408, App	632	12.4	0.9	17	1	US-10-060-756A-386	Sequence 386, App
C 560	12.4	0.9	17	1	US-09-825-805-420	Sequence 420, App	633	12.4	0.9	17	1	US-10-060-895A-1615	Sequence 1615, Ap
C 561	12.4	0.9	17	1	US-09-825-805-556	Sequence 556, App	634	12.4	0.9	17	1	US-10-060-895A-1616	Sequence 1616, Ap
C 562	12.4	0.9	17	1	US-09-825-805-814	Sequence 814, App	635	12.4	0.9	17	1	US-10-060-895A-1617	Sequence 1617, Ap
C 563	12.4	0.9	17	1	US-09-961-077-139	Sequence 139, App	636	12.4	0.9	17	1	US-10-060-895A-1618	Sequence 1618, Ap
C 564	12.4	0.9	17	1	US-09-730-289B-393	Sequence 393, App	c 637	12.4	0.9	17	1	US-10-060-998-592	Sequence 592, App
C 565	12.4	0.9	17	1	US-09-818-875-291	Sequence 291, App	c 638	12.4	0.9	17	1	US-10-060-998-596	Sequence 596, App
C 566	12.4	0.9	17	1	US-09-818-875-292	Sequence 292, App	639	12.4	0.9	17	1	US-10-163-552-424	Sequence 424, App
C 567	12.4	0.9	17	1	US-09-877-478-1246	Sequence 1246, Ap	640	12.4	0.9	17	1	US-10-163-552-482	Sequence 482, App
C 568	12.4	0.9	17	1	US-09-877-478-1247	Sequence 1247, Ap	c 641	12.4	0.9	17	1	US-10-163-552-781	Sequence 781, App
C 569	12.4	0.9	17	1	US-09-877-478-1248	Sequence 1248, Ap	642	12.4	0.9	17	1	US-10-163-552-816	Sequence 816, App
C 570	12.4	0.9	17	1	US-09-877-478-1249	Sequence 1249, Ap	643	12.4	0.9	17	1	US-10-163-552-981	Sequence 981, App
C 571	12.4	0.9	17	1	US-09-877-478-1411	Sequence 1411, Ap	c 644	12.4	0.9	17	1	US-10-156-306-403	Sequence 403, App
C 572	12.4	0.9	17	1	US-09-877-478-1412	Sequence 1412, Ap	645	12.4	0.9	17	1	US-10-156-306-488	Sequence 488, App
C 573	12.4	0.9	17	1	US-09-848-754A-118	Sequence 118, App	646	12.4	0.9	17	1	US-10-156-306-489	Sequence 489, App
C 574	12.4	0.9	17	1	US-09-848-754A-119	Sequence 119, App	647	12.4	0.9	17	1	US-10-156-306-520	Sequence 520, App
C 575	12.4	0.9	17	1	US-09-848-754A-1697	Sequence 1697, Ap	648	12.4	0.9	17	1	US-10-156-306-521	Sequence 521, App
C 576	12.4	0.9	17	1	US-09-848-754A-1698	Sequence 1698, Ap	649	12.4	0.9	17	1	US-10-156-306-522	Sequence 522, App
C 577	12.4	0.9	17	1	US-09-848-754A-1699	Sequence 1699, Ap	650	12.4	0.9	17	1	US-10-156-306-523	Sequence 523, App
C 578	12.4	0.9	17	1	US-09-848-754A-1699	Sequence 1699, Ap	651	12.4	0.9	17	1	US-10-156-306-1632	Sequence 1632, Ap
C 579	12.4	0.9	17	1	US-09-930-423-1204	Sequence 1204, Ap	652	12.4	0.9	17	1	US-10-156-306-1633	Sequence 1633, Ap
C 580	12.4	0.9	17	1	US-09-930-423-1589	Sequence 1589, Ap	653	12.4	0.9	17	1	US-10-156-306-432	Sequence 432, Ap
C 581	12.4	0.9	17	1	US-09-800-164-553	Sequence 553, App	654	12.4	0.9	17	1	US-10-156-306-436	Sequence 436, Ap
C 582	12.4	0.9	17	1	US-09-800-164-554	Sequence 554, App	c 655	12.4	0.9	17	1	US-10-156-306-489	Sequence 489, App
C 583	12.4	0.9	17	1	US-09-800-164-606	Sequence 606, App	656	12.4	0.9	17	1	US-10-156-306-4939	Sequence 4939, Ap
C 584	12.4	0.9	17	1	US-09-780-164-916	Sequence 916, App	c 657	12.4	0.9	17	1	US-10-156-306-5003	Sequence 5003, Ap
C 585	12.4	0.9	17	1	US-09-827-395A-237	Sequence 237, App	c 658	12.4	0.9	17	1	US-10-156-306-5102	Sequence 5102, Ap
C 586	12.4	0.9	17	1	US-09-827-395A-238	Sequence 238, App	c 659	12.4	0.9	17	1	US-10-156-306-5825	Sequence 5825, Ap
C 587	12.4	0.9	17	1	US-09-827-395A-359	Sequence 359, App	c 660	12.4	0.9	17	1	US-10-156-306-5879	Sequence 5879, Ap
C 588	12.4	0.9	17	1	US-09-827-395A-412	Sequence 412, App	c 661	12.2	0.9	17	1	US-10-156-306-6894	Sequence 6894, Ap
C 589	12.4	0.9	17	1	US-09-827-395A-634	Sequence 634, App	662	12.2	0.9	17	1	US-09-877-478-1411	Sequence 1411, Ap
C 590	12.4	0.9	17	1	US-09-827-395A-716	Sequence 716, App	c 663	12.2	0.9	17	1	US-09-866-108-176	Sequence 176, App
C 591	12.4	0.9	17	1	US-09-827-395A-717	Sequence 717, App	c 664	12.2	0.9	17	1	US-09-866-108-384	Sequence 384, App
C 592	12.4	0.9	17	1	US-09-827-395A-901	Sequence 901, App	665	12.2	0.9	17	1	US-09-866-108-388	Sequence 388, App
C 593	12.4	0.9	17	1	US-09-827-395A-932	Sequence 932, App	666	12.2	0.9	17	1	US-09-866-108-553	Sequence 553, App
C 594	12.4	0.9	17	1	US-09-740-332-1119	Sequence 1119, Ap	667	12.2	0.9	17	1	US-09-866-108-558	Sequence 558, App
C 595	12.4	0.9	17	1	US-09-740-332-2846	Sequence 2846, Ap	c 668	12.2	0.9	17	1	US-09-866-108-559	Sequence 559, App
C 596	12.4	0.9	17	1	US-09-740-332-3171	Sequence 3171, Ap	c 669	12.2	0.9	17	1	US-09-866-108-717	Sequence 717, App
C 597	12.4	0.9	17	1	US-09-740-332-3436	Sequence 3436, Ap	c 670	12.2	0.9	17	1	US-09-866-108-844	Sequence 844, App
C 598	12.4	0.9	17	1	US-09-745-237A-1204	Sequence 1204, Ap	671	12.2	0.9	17	1	US-09-866-108-1227	Sequence 1227, Ap
C 599	12.4	0.9	17	1	US-09-745-237A-1588	Sequence 1588, Ap	672	12.2	0.9	17	1	US-09-866-108-1884	Sequence 1884, Ap
C 600	12.4	0.9	17	1	US-09-745-237A-1589	Sequence 1589, Ap	673	12.2	0.9	17	1	US-09-866-108-1885	Sequence 1885, Ap
C 601	12.4	0.9	17	1	US-10-238-700-2684	Sequence 2684, Ap	674	12.2	0.9	17	1	US-09-866-108-1886	Sequence 1886, Ap
C 602	12.4	0.9	17	1	US-10-238-700-3175	Sequence 3175, Ap	675	12.2	0.9	17	1	US-09-866-108-1887	Sequence 1887, Ap
C 603	12.4	0.9	17	1	US-10-238-700-3175	Sequence 3175, Ap	676	12.2	0.9	17	1	US-09-866-108-1888	Sequence 1888, Ap
C 604	12.4	0.9	17	1	US-10-061-201-493	Sequence 493, App	677	12.2	0.9	17	1	US-09-866-108-2139	Sequence 2139, Ap
C 605	12.4	0.9	17	1	US-10-061-201-497	Sequence 497, App	678	12.2	0.9	17	1	US-09-866-108-2572	Sequence 2572, Ap
C 606	12.4	0.9	17	1	US-10-061-201-1764	Sequence 1764, App	679	12.2	0.9	17	1	US-09-866-108-2584	Sequence 2584, Ap
C 607	12.4	0.9	17	1	US-10-061-201-1765	Sequence 1765, Ap	680	12.2	0.9	17	1	US-09-866-108-2585	Sequence 2585, Ap
C 608	12.4	0.9	17	1	US-10-159-339-87	Sequence 87, Appl	681	12.2	0.9	17	1	US-09-866-108-2779	Sequence 2779, Ap
C 609	12.4	0.9	17	1	US-10-339-782-248	Sequence 248, App	682	12.2	0.9	17	1	US-09-866-108-2781	Sequence 2781, Ap
C 610	12.4	0.9	17	1	US-09-817-879-1119	Sequence 1119, Ap	683	12.2	0.9	17	1	US-09-866-108-2782	Sequence 2782, Ap
C 611	12.4	0.9	17	1	US-09-817-879-2846	Sequence 2846, Ap	684	12.2	0.9	17	1	US-09-866-108-6211	Sequence 6211, Ap
C 612	12.4	0.9	17	1	US-09-817-879-3171	Sequence 3171, Ap	685	12.2	0.9	17	1	US-09-866-108-6268	Sequence 6268, Ap
C 613	12.4	0.9	17	1	US-09-817-879-3436	Sequence 3436, Ap	686	12.2	0.9	17	1	US-09-866-108-6588	Sequence 6588, Ap
C 614	12.4	0.9	17	1	US-10-220-373-9	Sequence 9, Appl	687	12.2	0.9	17	1	US-09-866-108-6619	Sequence 6619, Ap
C 615	12.4	0.9	17	1	US-10-338-777-196	Sequence 196, App	688	12.2	0.9	17	1	US-09-866-108-7202	Sequence 7202, Ap
C 616	12.4	0.9	17	1	US-10-230-006-576	Sequence 576, App	689	12.2	0.9	17	1	US-09-866-108-7203	Sequence 7203, Ap
C 617	12.4	0.9	17	1	US-10-230-006-767	Sequence 767, App	c 690	12.2	0.9	17	1	US-09-866-108-7406	Sequence 7406, Ap
C 617	12.4	0.9	17	1	US-10-230-006-768	Sequence 768, App	c 690	12.2	0.9	17	1	US-09-866-108-7797	Sequence 7797, Ap

691	12.2	0.9	17	1	US-09-866-108-7835	Sequence 7835, Ap	764	12.2	0.9	17	1	US-09-877-478-1847	Sequence 1847, Ap
692	12.2	0.9	17	1	US-09-866-108-7836	Sequence 7836, Ap	c 765	12.2	0.9	17	1	US-09-848-754A-85	Sequence 85, Appl
693	12.2	0.9	17	1	US-09-866-108-8497	Sequence 8497, Ap	c 766	12.2	0.9	17	1	US-09-848-754A-104	Sequence 104, App
694	12.2	0.9	17	1	US-09-866-108-8498	Sequence 8498, Ap	c 767	12.2	0.9	17	1	US-09-848-754A-237	Sequence 237, App
695	12.2	0.9	17	1	US-09-866-108-8499	Sequence 8499, Ap	c 768	12.2	0.9	17	1	US-09-848-754A-293	Sequence 293, App
696	12.2	0.9	17	1	US-09-866-108-8648	Sequence 8648, Ap	c 769	12.2	0.9	17	1	US-09-848-754A-1015	Sequence 1015, Ap
697	12.2	0.9	17	1	US-09-866-108-8808	Sequence 8808, Ap	c 770	12.2	0.9	17	1	US-09-848-754A-1508	Sequence 1508, Ap
698	12.2	0.9	17	1	US-09-866-108-9293	Sequence 9293, Ap	c 771	12.2	0.9	17	1	US-09-848-754A-1763	Sequence 1763, Ap
699	12.2	0.9	17	1	US-09-866-108-9738	Sequence 9738, Ap	c 772	12.2	0.9	17	1	US-09-848-754A-1824	Sequence 1824, Ap
700	12.2	0.9	17	1	US-09-866-108-10103	Sequence 10103, A	c 773	12.2	0.9	17	1	US-09-848-754A-1869	Sequence 1869, Ap
701	12.2	0.9	17	1	US-09-866-108-10233	Sequence 10233, A	c 774	12.2	0.9	17	1	US-09-848-754A-1966	Sequence 1966, Ap
702	12.2	0.9	17	1	US-09-866-108-10262	Sequence 10262, A	c 775	12.2	0.9	17	1	US-09-848-754A-2377	Sequence 2377, Ap
703	12.2	0.9	17	1	US-09-866-108-10263	Sequence 10263, A	c 776	12.2	0.9	17	1	US-09-848-754A-2394	Sequence 2394, Ap
704	12.2	0.9	17	1	US-09-726-774-137	Sequence 137, App	c 777	12.2	0.9	17	1	US-09-848-754A-2395	Sequence 2395, Ap
705	12.2	0.9	17	1	US-09-420-433-64	Sequence 64, Appl	c 778	12.2	0.9	17	1	US-09-848-754A-2447	Sequence 2447, Ap
706	12.2	0.9	17	1	US-09-827-998-119	Sequence 119, App	c 779	12.2	0.9	17	1	US-09-848-754A-2477	Sequence 2477, Ap
707	12.2	0.9	17	1	US-09-827-998-556	Sequence 556, App	c 780	12.2	0.9	17	1	US-09-848-754A-2519	Sequence 2519, Ap
708	12.2	0.9	17	1	US-09-827-998-726	Sequence 726, App	c 781	12.2	0.9	17	1	US-09-848-754A-2522	Sequence 2522, Ap
709	12.2	0.9	17	1	US-09-827-998-727	Sequence 727, App	c 782	12.2	0.9	17	1	US-09-848-754A-2574	Sequence 2574, Ap
710	12.2	0.9	17	1	US-09-827-998-727	Sequence 727, App	c 783	12.2	0.9	17	1	US-09-848-754A-3027	Sequence 3027, Ap
711	12.2	0.9	17	1	US-09-901-484A-84	Sequence 84, Appl	c 784	12.2	0.9	17	1	US-09-848-754A-3029	Sequence 3029, Ap
712	12.2	0.9	17	1	US-09-969-373-2951	Sequence 2951, Ap	c 785	12.2	0.9	17	1	US-09-848-754A-3102	Sequence 3102, Ap
713	12.2	0.9	17	1	US-09-853-526-84	Sequence 84, Appl	c 786	12.2	0.9	17	1	US-09-848-754A-3183	Sequence 3183, Ap
714	12.2	0.9	17	1	US-09-864-785-54	Sequence 54, Appl	c 787	12.2	0.9	17	1	US-09-776-474-683	Sequence 683, App
715	12.2	0.9	17	1	US-09-864-785-146	Sequence 146, App	c 788	12.2	0.9	17	1	US-09-776-474-942	Sequence 942, App
716	12.2	0.9	17	1	US-09-864-785-186	Sequence 186, App	c 789	12.2	0.9	17	1	US-09-930-423-263	Sequence 263, App
717	12.2	0.9	17	1	US-09-864-785-403	Sequence 403, App	c 790	12.2	0.9	17	1	US-09-930-423-289	Sequence 289, App
718	12.2	0.9	17	1	US-09-864-785-431	Sequence 431, App	c 791	12.2	0.9	17	1	US-09-930-423-289	Sequence 289, App
719	12.2	0.9	17	1	US-09-864-785-526	Sequence 526, App	c 792	12.2	0.9	17	1	US-09-930-423-462	Sequence 462, App
720	12.2	0.9	17	1	US-09-864-785-632	Sequence 632, App	c 793	12.2	0.9	17	1	US-09-930-423-489	Sequence 489, App
721	12.2	0.9	17	1	US-09-864-785-679	Sequence 679, App	c 794	12.2	0.9	17	1	US-09-930-423-553	Sequence 553, App
722	12.2	0.9	17	1	US-09-864-785-1461	Sequence 1461, Ap	c 795	12.2	0.9	17	1	US-09-930-423-574	Sequence 574, App
723	12.2	0.9	17	1	US-09-864-785-1486	Sequence 1486, Ap	c 796	12.2	0.9	17	1	US-09-930-423-631	Sequence 631, App
724	12.2	0.9	17	1	US-09-864-785-1487	Sequence 1487, Ap	c 797	12.2	0.9	17	1	US-09-930-423-632	Sequence 632, App
725	12.2	0.9	17	1	US-09-864-785-1590	Sequence 1590, Ap	c 798	12.2	0.9	17	1	US-09-930-423-938	Sequence 938, App
726	12.2	0.9	17	1	US-09-864-785-1591	Sequence 1591, Ap	c 799	12.2	0.9	17	1	US-09-930-423-981	Sequence 981, App
727	12.2	0.9	17	1	US-09-864-785-2056	Sequence 2056, Ap	c 800	12.2	0.9	17	1	US-09-930-423-1194	Sequence 1194, Ap
728	12.2	0.9	17	1	US-09-825-805-354	Sequence 354, App	c 801	12.2	0.9	17	1	US-09-930-423-1195	Sequence 1195, Ap
729	12.2	0.9	17	1	US-09-825-805-478	Sequence 478, App	c 802	12.2	0.9	17	1	US-09-930-423-1211	Sequence 1211, Ap
730	12.2	0.9	17	1	US-09-825-805-604	Sequence 604, App	c 803	12.2	0.9	17	1	US-09-930-423-1525	Sequence 1525, Ap
731	12.2	0.9	17	1	US-09-825-805-726	Sequence 726, App	c 804	12.2	0.9	17	1	US-09-930-423-1572	Sequence 1572, Ap
732	12.2	0.9	17	1	US-09-825-805-775	Sequence 775, App	c 805	12.2	0.9	17	1	US-09-930-423-1653	Sequence 1653, Ap
733	12.2	0.9	17	1	US-09-825-805-830	Sequence 830, App	c 806	12.2	0.9	17	1	US-09-780-164-684	Sequence 684, App
734	12.2	0.9	17	1	US-09-961-077-147	Sequence 147, App	c 807	12.2	0.9	17	1	US-09-780-164-917	Sequence 917, App
735	12.2	0.9	17	1	US-09-961-077-216	Sequence 216, App	c 808	12.2	0.9	17	1	US-09-780-164-1045	Sequence 1045, Ap
736	12.2	0.9	17	1	US-09-961-077-887	Sequence 887, App	c 809	12.2	0.9	17	1	US-09-780-164-1091	Sequence 1091, App
737	12.2	0.9	17	1	US-09-961-077-888	Sequence 888, App	c 810	12.2	0.9	17	1	US-09-827-395A-260	Sequence 260, App
738	12.2	0.9	17	1	US-09-730-289B-554	Sequence 554, App	c 811	12.2	0.9	17	1	US-09-827-395A-401	Sequence 401, App
739	12.2	0.9	17	1	US-09-730-289B-825	Sequence 825, App	c 812	12.2	0.9	17	1	US-09-827-395A-608	Sequence 608, App
740	12.2	0.9	17	1	US-09-730-289B-987	Sequence 987, App	c 813	12.2	0.9	17	1	US-09-827-395A-770	Sequence 770, App
741	12.2	0.9	17	1	US-09-730-289B-1027	Sequence 1027, Ap	c 814	12.2	0.9	17	1	US-09-827-395A-848	Sequence 848, App
742	12.2	0.9	17	1	US-09-818-875-387	Sequence 387, App	c 815	12.2	0.9	17	1	US-09-827-395A-893	Sequence 893, App
743	12.2	0.9	17	1	US-09-818-875-388	Sequence 388, App	c 816	12.2	0.9	17	1	US-09-740-332-483	Sequence 483, App
744	12.2	0.9	17	1	US-09-818-875-479	Sequence 479, App	c 817	12.2	0.9	17	1	US-09-740-332-484	Sequence 484, App
745	12.2	0.9	17	1	US-09-818-875-480	Sequence 480, App	c 818	12.2	0.9	17	1	US-09-740-332-2390	Sequence 2390, App
746	12.2	0.9	17	1	US-09-818-875-1319	Sequence 1319, Ap	c 819	12.2	0.9	17	1	US-09-740-332-1918	Sequence 1918, Ap
747	12.2	0.9	17	1	US-09-818-875-1320	Sequence 1320, Ap	c 820	12.2	0.9	17	1	US-09-740-332-2165	Sequence 2165, Ap
748	12.2	0.9	17	1	US-09-818-875-3186	Sequence 3186, Ap	c 821	12.2	0.9	17	1	US-09-740-332-2206	Sequence 2206, Ap
749	12.2	0.9	17	1	US-09-818-875-3187	Sequence 3187, Ap	c 822	12.2	0.9	17	1	US-09-740-332-2207	Sequence 2207, Ap
750	12.2	0.9	17	1	US-09-818-875-3187	Sequence 3187, Ap	c 823	12.2	0.9	17	1	US-09-740-332-2348	Sequence 2348, Ap
751	12.2	0.9	17	1	US-09-784-674-53	Sequence 53, Appl	c 824	12.2	0.9	17	1	US-09-740-332-2349	Sequence 2349, App
752	12.2	0.9	17	1	US-09-784-674-111	Sequence 111, App	c 825	12.2	0.9	17	1	US-09-740-332-2390	Sequence 2390, App
753	12.2	0.9	17	1	US-09-780-533A-51	Sequence 51, Appl	c 826	12.2	0.9	17	1	US-09-740-332-2650	Sequence 2650, Ap
754	12.2	0.9	17	1	US-09-780-533A-718	Sequence 718, App	c 827	12.2	0.9	17	1	US-09-740-332-3415	Sequence 3415, Ap
755	12.2	0.9	17	1	US-09-780-533A-956	Sequence 956, App	c 828	12.2	0.9	17	1	US-09-740-332-3470	Sequence 3470, Ap
756	12.2	0.9	17	1	US-09-780-533A-2701	Sequence 2701, Ap	c 829	12.2	0.9	17	1	US-09-740-332-4072	Sequence 4072, Ap
757	12.2	0.9	17	1	US-09-877-478-67	Sequence 67, Appl	c 830	12.2	0.9	17	1	US-09-740-332-4139	Sequence 4139, Ap
758	12.2	0.9	17	1	US-09-877-478-120	Sequence 120, App	c 831	12.2	0.9	17	1	US-09-740-332-4230	Sequence 4230, Ap
759	12.2	0.9	17	1	US-09-877-478-214	Sequence 214, App	c 832	12.2	0.9	17	1	US-09-740-332-4311	Sequence 4311, Ap
760	12.2	0.9	17	1	US-09-877-478-811	Sequence 811, App	c 833	12.2	0.9	17	1	US-10-297-068-1048	Sequence 1048, Ap
761	12.2	0.9	17	1	US-09-877-478-811	Sequence 811, App	c 834	12.2	0.9	17	1	US-10-307-005-763	Sequence 763, App
762	12.2	0.9	17	1	US-09-877-478-1194	Sequence 1194, Ap	c 835	12.2	0.9	17	1	US-10-307-005-764	Sequence 764, App
763	12.2	0.9	17	1	US-09-877-478-1630	Sequence 1630, Ap	c 836	12.2	0.9	17	1	US-10-307-005-1211	Sequence 1211, Ap
					Sequence 1765, Ap							US-10-307-005-1212	Sequence 1212, Ap

837	12.2	0.9	17	1	US-10-307-005-1527	Sequence 1527, Ap	c 910	12.2	0.9	17	1	US-10-060-756A-63	Sequence 63, Appl
c 838	12.2	0.9	17	1	US-10-307-005-1528	Sequence 1528, Ap	911	12.2	0.9	17	1	US-10-060-756A-116	Sequence 116, App
839	12.2	0.9	17	1	US-09-745-237A-263	Sequence 263, App	912	12.2	0.9	17	1	US-10-060-756A-117	Sequence 117, App
840	12.2	0.9	17	1	US-09-745-237A-264	Sequence 264, App	c 913	12.2	0.9	17	1	US-10-060-756A-344	Sequence 344, App
c 841	12.2	0.9	17	1	US-09-745-237A-289	Sequence 289, App	914	12.2	0.9	17	1	US-10-060-756A-380	Sequence 380, App
c 842	12.2	0.9	17	1	US-09-745-237A-289	Sequence 462, App	c 915	12.2	0.9	17	1	US-10-060-756A-495	Sequence 495, App
843	12.2	0.9	17	1	US-09-745-237A-489	Sequence 489, App	c 916	12.2	0.9	17	1	US-10-060-756A-496	Sequence 496, App
c 844	12.2	0.9	17	1	US-09-745-237A-553	Sequence 553, App	c 917	12.2	0.9	17	1	US-10-060-756A-497	Sequence 497, App
c 845	12.2	0.9	17	1	US-09-745-237A-574	Sequence 574, App	c 918	12.2	0.9	17	1	US-10-060-756A-498	Sequence 498, App
846	12.2	0.9	17	1	US-09-745-237A-631	Sequence 631, App	919	12.2	0.9	17	1	US-10-060-756A-513	Sequence 513, App
847	12.2	0.9	17	1	US-09-745-237A-632	Sequence 632, App	920	12.2	0.9	17	1	US-10-060-756A-695	Sequence 695, App
848	12.2	0.9	17	1	US-09-745-237A-938	Sequence 938, App	c 921	12.2	0.9	17	1	US-10-060-756A-696	Sequence 696, App
849	12.2	0.9	17	1	US-09-745-237A-981	Sequence 981, App	c 922	12.2	0.9	17	1	US-10-060-756A-810	Sequence 810, App
c 850	12.2	0.9	17	1	US-09-745-237A-1194	Sequence 1194, Ap	923	12.2	0.9	17	1	US-10-060-756A-877	Sequence 877, App
c 851	12.2	0.9	17	1	US-09-745-237A-1195	Sequence 1195, Ap	c 924	12.2	0.9	17	1	US-10-060-756A-1795	Sequence 1795, Ap
c 852	12.2	0.9	17	1	US-09-745-237A-1271	Sequence 1271, Ap	c 925	12.2	0.9	17	1	US-10-060-756A-1812	Sequence 1812, Ap
853	12.2	0.9	17	1	US-09-745-237A-1525	Sequence 1525, Ap	c 926	12.2	0.9	17	1	US-10-060-756A-1814	Sequence 1814, Ap
854	12.2	0.9	17	1	US-09-745-237A-1572	Sequence 1572, Ap	c 927	12.2	0.9	17	1	US-10-060-756A-1815	Sequence 1815, Ap
c 855	12.2	0.9	17	1	US-09-745-237A-1572	Sequence 1653, Ap	c 928	12.2	0.9	17	1	US-10-060-756A-2001	Sequence 2001, Ap
c 856	12.2	0.9	17	1	US-09-745-237A-1653	Sequence 287, App	929	12.2	0.9	17	1	US-10-287-919-270	Sequence 270, App
857	12.2	0.9	17	1	US-09-792-818-287	Sequence 470, App	c 930	12.2	0.9	17	1	US-10-287-919-270	Sequence 20, Appl
c 858	12.2	0.9	17	1	US-09-792-818-470	Sequence 2680, Ap	c 931	12.2	0.9	17	1	US-10-287-919-270	Sequence 27, Appl
859	12.2	0.9	17	1	US-10-238-700-2680	Sequence 3254, Ap	c 932	12.2	0.9	17	1	US-10-211-059-27	Sequence 28, Appl
c 860	12.2	0.9	17	1	US-10-238-700-3254	Sequence 3305, Ap	c 933	12.2	0.9	17	1	US-10-211-059-28	Sequence 29, Appl
c 861	12.2	0.9	17	1	US-10-238-700-3305	Sequence 3349, Ap	c 934	12.2	0.9	17	1	US-10-211-059-29	Sequence 141, App
c 862	12.2	0.9	17	1	US-10-238-700-3349	Sequence 3431, Ap	c 935	12.2	0.9	17	1	US-10-060-895A-141	Sequence 142, App
c 863	12.2	0.9	17	1	US-10-238-700-3431	Sequence 3533, Ap	c 936	12.2	0.9	17	1	US-10-060-895A-142	Sequence 143, App
c 864	12.2	0.9	17	1	US-10-238-700-3513	Sequence 3585, Ap	c 937	12.2	0.9	17	1	US-10-060-895A-143	Sequence 161, App
c 865	12.2	0.9	17	1	US-10-238-700-3585	Sequence 498, App	c 938	12.2	0.9	17	1	US-10-060-895A-161	Sequence 388, App
c 866	12.2	0.9	17	1	US-10-061-201-222	Sequence 1246, Ap	c 939	12.2	0.9	17	1	US-10-060-998A-1031	Sequence 1031, Ap
c 867	12.2	0.9	17	1	US-10-061-201-498	Sequence 1249, Ap	c 940	12.2	0.9	17	1	US-10-060-998A-1354	Sequence 1354, Ap
868	12.2	0.9	17	1	US-10-061-201-1246	Sequence 1250, Ap	c 941	12.2	0.9	17	1	US-10-163-552-135	Sequence 135, App
869	12.2	0.9	17	1	US-10-061-201-1249	Sequence 1306, Ap	c 942	12.2	0.9	17	1	US-10-163-552-174	Sequence 174, App
c 870	12.2	0.9	17	1	US-10-061-201-1306	Sequence 1376, Ap	943	12.2	0.9	17	1	US-10-163-552-510	Sequence 510, App
c 871	12.2	0.9	17	1	US-10-061-201-1376	Sequence 1700, Ap	944	12.2	0.9	17	1	US-10-163-552-662	Sequence 662, App
c 872	12.2	0.9	17	1	US-10-061-201-1700	Sequence 1768, Ap	945	12.2	0.9	17	1	US-10-163-552-815	Sequence 815, App
c 873	12.2	0.9	17	1	US-10-061-201-1768	Sequence 720, Appl	c 946	12.2	0.9	17	1	US-10-163-552-895	Sequence 895, App
874	12.2	0.9	17	1	US-10-133-779-79	Sequence 79, Appl	c 947	12.2	0.9	17	1	US-10-163-552-975	Sequence 975, App
875	12.2	0.9	17	1	US-10-133-779-220	Sequence 187, App	948	12.2	0.9	17	1	US-10-156-306-519	Sequence 519, App
c 876	12.2	0.9	17	1	US-10-339-782-187	Sequence 187, App	949	12.2	0.9	17	1	US-10-156-306-524	Sequence 524, App
c 877	12.2	0.9	17	1	US-10-339-782-245	Sequence 245, App	c 950	12.2	0.9	17	1	US-10-156-306-525	Sequence 525, App
c 878	12.2	0.9	17	1	US-09-817-879-483	Sequence 483, App	c 951	12.2	0.9	17	1	US-10-156-306-2862	Sequence 2862, Ap
c 879	12.2	0.9	17	1	US-09-817-879-484	Sequence 484, App	952	12.2	0.9	17	1	US-10-156-306-3658	Sequence 3658, Ap
880	12.2	0.9	17	1	US-09-817-879-1918	Sequence 1918, Ap	c 953	12.2	0.9	17	1	US-10-156-306-4422	Sequence 4422, Ap
c 881	12.2	0.9	17	1	US-09-817-879-2165	Sequence 2165, Ap	c 954	12.2	0.9	17	1	US-10-156-306-4785	Sequence 4785, Ap
c 882	12.2	0.9	17	1	US-09-817-879-2206	Sequence 2206, Ap	c 955	12.2	0.9	17	1	US-10-156-306-4884	Sequence 4884, Ap
c 883	12.2	0.9	17	1	US-09-817-879-2207	Sequence 2207, Ap	c 956	12.2	0.9	17	1	US-10-156-306-4943	Sequence 4943, Ap
884	12.2	0.9	17	1	US-09-817-879-2348	Sequence 2348, Ap	c 957	12.2	0.9	17	1	US-10-156-306-5180	Sequence 5180, Ap
885	12.2	0.9	17	1	US-09-817-879-2349	Sequence 2349, Ap	c 958	12.2	0.9	17	1	US-10-156-306-5180	Sequence 5180, Ap
c 886	12.2	0.9	17	1	US-09-817-879-2390	Sequence 2390, Ap	c 959	12.2	0.9	17	1	US-10-156-306-5180	Sequence 5180, Ap
c 887	12.2	0.9	17	1	US-09-817-879-2650	Sequence 2650, Ap	c 960	12.2	0.9	17	1	US-10-156-306-5982	Sequence 5982, Ap
c 888	12.2	0.9	17	1	US-09-817-879-3415	Sequence 3415, Ap	c 961	12.2	0.9	17	1	US-10-156-306-5921	Sequence 5921, Ap
c 889	12.2	0.9	17	1	US-09-817-879-3470	Sequence 3470, Ap	c 962	12.2	0.9	17	1	US-10-156-306-6332	Sequence 6332, Ap
c 890	12.2	0.9	17	1	US-09-817-879-4072	Sequence 4072, Ap	c 963	12.2	0.9	17	1	US-10-156-306-6880	Sequence 6880, Ap
c 891	12.2	0.9	17	1	US-09-817-879-4139	Sequence 4139, Ap	c 964	12.2	0.9	17	1	US-10-156-306-6893	Sequence 6893, Ap
c 892	12.2	0.9	17	1	US-09-817-879-4230	Sequence 4230, Ap	965	12.2	0.9	17	1	US-10-156-306-6936	Sequence 6936, Ap
c 893	12.2	0.9	17	1	US-09-817-879-4311	Sequence 4311, Ap	c 966	12.2	0.9	17	1	US-10-156-306-7020	Sequence 7020, Ap
c 894	12.2	0.9	17	1	US-10-339-793-263	Sequence 4311, Ap	c 967	12.2	0.9	17	1	US-10-156-306-7021	Sequence 7021, Ap
c 895	12.2	0.9	17	1	US-10-339-793-268	Sequence 268, App	c 968	12.2	0.9	17	1	US-10-156-306-7026	Sequence 7026, Ap
c 896	12.2	0.9	17	1	US-10-230-006-550	Sequence 550, App	969	12.2	0.9	17	1	US-10-156-306-7027	Sequence 7027, Ap
c 897	12.2	0.9	17	1	US-10-230-006-676	Sequence 676, App	c 970	12.2	0.9	17	1	US-10-148-835-139	Sequence 139, App
c 898	12.2	0.9	17	1	US-10-230-006-1253	Sequence 1253, Ap	971	12	0.9	20	1	US-10-238-700-2680	Sequence 2680, Ap
c 899	12.2	0.9	17	1	US-10-230-006-1357	Sequence 1357, Ap	c 972	11.8	0.9	20	1	US-09-877-474-79	Sequence 79, Appl
c 900	12.2	0.9	17	1	US-10-209-787-387	Sequence 387, App	c 973	11.8	0.9	17	1	US-09-827-395A-716	Sequence 716, App
c 901	12.2	0.9	17	1	US-10-209-787-388	Sequence 388, App	974	11.8	0.9	17	1	US-09-864-785-146	Sequence 146, App
c 902	12.2	0.9	17	1	US-10-209-787-479	Sequence 479, App	975	11.8	0.9	17	1	US-10-061-201-222	Sequence 222, App
903	12.2	0.9	17	1	US-10-209-787-480	Sequence 480, App	c 976	11.8	0.9	17	1	US-10-156-306-4884	Sequence 4884, Ap
c 904	12.2	0.9	17	1	US-10-209-787-1319	Sequence 1319, Ap	977	11.6	0.9	18	1	US-09-813-289-4	Sequence 4, Appli
c 905	12.2	0.9	17	1	US-10-209-787-1320	Sequence 1320, Ap	978	11.6	0.9	18	1	US-09-848-585-33	Sequence 33, Appl
c 906	12.2	0.9	17	1	US-10-209-787-3186	Sequence 3186, Ap	979	11.6	0.9	20	1	US-08-983-605-364	Sequence 364, App
c 907	12.2	0.9	17	1	US-10-209-787-3187	Sequence 3187, Ap	c 980	11.4	0.8	17	1	US-10-061-201-220	Sequence 220, App
c 908	12.2	0.9	17	1	US-10-041-856-64	Sequence 64, Appl	c 981	11.4	0.8	17	1	US-10-061-201-221	Sequence 221, App
c 909	12.2	0.9	17	1	US-10-060-830-691	Sequence 691, App	c 982	11.4	0.8	17	1	US-09-827-395A-412	Sequence 412, App

Sequence 717, App  
Sequence 8648, App  
Sequence 7020, App  
Sequence 7021, App  
Sequence 50, Appl  
Sequence 4968, App  
Sequence 5898, App  
Sequence 145, Appl  
Sequence 10263, A  
Sequence 1195, App  
Sequence 1195, App  
Sequence 1376, App  
Sequence 1357, App  
Sequence 64, Appl  
Sequence 4422, App  
Sequence 5882, App  
Sequence 44, Appl  
Sequence 2999, App  
Sequence 702, App  
Sequence 703, App  
Sequence 216, App  
Sequence 33, Appl  
Sequence 43, Appl  
Sequence 12, Appl  
Sequence 1589, App  
Sequence 1209, App  
Sequence 7284, App  
Sequence 7285, App

Sequence 717, App  
Sequence 8648, App  
Sequence 7020, App  
Sequence 7021, App  
Sequence 50, Appl  
Sequence 4968, App  
Sequence 5898, App  
Sequence 145, Appl  
Sequence 10263, A  
Sequence 1195, App  
Sequence 1195, App  
Sequence 1376, App  
Sequence 1357, App  
Sequence 64, Appl  
Sequence 4422, App  
Sequence 5882, App  
Sequence 44, Appl  
Sequence 2999, App  
Sequence 702, App  
Sequence 703, App  
Sequence 216, App  
Sequence 33, Appl  
Sequence 43, Appl  
Sequence 12, Appl  
Sequence 1589, App  
Sequence 1209, App  
Sequence 7284, App  
Sequence 7285, App

# ALIGNMENTS

RESULT 1  
US-09-978-244A-79/c  
; Sequence 79, Application US/09978244A  
; Publication No. US20030103992A1  
; GENERAL INFORMATION:  
; APPLICANT: Lu, Peter S  
; APPLICANT: Garman, Jonathan D.  
; APPLICANT: Candia III, Albert F.  
; APPLICANT: Arbor Vita Corporation  
; TITLE OF INVENTION: CLASP MEMBRANE PROTEINS  
; FILE REFERENCE: 020554-000161US  
; CURRENT APPLICATION NUMBER: US/09/978,244A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: US 60/310,028  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 09/737,246  
; PRIOR FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 09/736,969  
; PRIOR FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 09/736,960  
; PRIOR FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 09/736,968  
; PRIOR FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 60/240,545  
; PRIOR FILING DATE: 2000-10-13  
; PRIOR APPLICATION NUMBER: US 60/240,508  
; PRIOR FILING DATE: 2000-10-13  
; PRIOR APPLICATION NUMBER: US 60/240,503  
; PRIOR FILING DATE: 2000-10-13  
; PRIOR APPLICATION NUMBER: US 60/240,539  
; PRIOR FILING DATE: 2000-10-13  
; PRIOR APPLICATION NUMBER: US 60/240,543  
; PRIOR FILING DATE: 2000-10-13  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 106  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 79  
; LENGTH: 24  
; TYPE: DNA  
; ORGANISM: Artificial Sequence

FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Primer mC233  
US-09-978-244A-79  
Query Match 1.4%; Score 18.8; DB 1; Length 24;  
Best Local Similarity 90.9%; Pred. No. 42;  
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 558 CATGCACACTGCTCCAGCAG 579  
Db 24 CATCGCACACTGCTCCAGCAG 3  
RESULT 2  
US-10-061-201-3328/c  
; Sequence 3328, Application US/10061201  
; Publication No. US20030166229A1  
; GENERAL INFORMATION:  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1  
; FILE REFERENCE: PB0178  
; CURRENT APPLICATION NUMBER: US/10/061,201  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/328,205  
; PRIOR FILING DATE: 2001-10-10  
; NUMBER OF SEQ ID NOS: 4162  
; SOFTWARE: Acomica Sequence Listing Engine  
; SEQ ID NO 3328  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-061-201-3328  
Query Match 1.3%; Score 18.2; DB 1; Length 25;  
Best Local Similarity 87.0%; Pred. No. 61;  
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 261 CCTGGGCTGGCTCATCAAGAGG 283  
Db 25 CATGGGCTGGGTCATCAGAGG 3  
RESULT 3  
US-10-061-201-3329/c  
; Sequence 3329, Application US/10061201  
; Publication No. US20030166229A1  
; GENERAL INFORMATION:  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1  
; FILE REFERENCE: PB0178  
; CURRENT APPLICATION NUMBER: US/10/061,201  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667

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1 FILE REFERENCE: 2011-01-30
2 CURRENT APPLICATION NUMBER: US/10/061,201
3 CURRENT FILING DATE: 2002-01-30
4 PRIOR APPLICATION NUMBER: PCT/US01/006666
5 PRIOR FILING DATE: 2001-01-30
6 PRIOR APPLICATION NUMBER: PCT/US01/006667
7 PRIOR FILING DATE: 2001-01-30
8 PRIOR APPLICATION NUMBER: PCT/US01/006664
9 PRIOR FILING DATE: 2001-01-30
10 PRIOR APPLICATION NUMBER: PCT/US01/006669
11 PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/328,205  
; PRIOR FILING DATE: 2001-10-10  
; NUMBER OF SEQ ID NOS: 4162  
; SOFTWARE: Aescima Sequence Listing Engine  
; SEQ ID NO 3327  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-061-201-3327

Query Match 1.3%; Score 17.8; DB 1; Length 25;  
Best Local Similarity 90.5%; Pred. No. 73;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 263 TGGGCTGGCTGATCAAGAGG 283  
Db 24 TGGGCTGGGTCATCACAGG 4

RESULT 7  
US-10-184-191-9/c  
; Sequence 9, Application US/10184191  
; Publication No. US20030096377A1  
; GENERAL INFORMATION:  
; APPLICANT: Meng, Xiang-Jin  
; APPLICANT: Fenuax, Martijn  
; TITLE OF INVENTION: Differential PCR-RFLP Assay for Detecting and Distinguishing Between  
; TITLE OF INVENTION: No. US20030096377A1pathogenic PCV-1 and Pathogenic PCV-2  
; FILE REFERENCE: AM100732  
; CURRENT APPLICATION NUMBER: US/10/184,191  
; CURRENT FILING DATE: 2002-09-25  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 9  
; LENGTH: 22  
; TYPE: DNA  
; ORGANISM: Porcine circovirus  
US-10-184-191-9

Query Match 1.3%; Score 17.2; DB 1; Length 22;  
Best Local Similarity 86.4%; Pred. No. 76;  
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 679 GTGGTATTGGGACCCAGCGC 700  
Db 22 GTGGTATTGGGTGCCCGCTGC 1

RESULT 8  
US-09-876-235-29  
; Sequence 29, Application US/09876235  
; Publication No. US2003002236A1  
; GENERAL INFORMATION:  
; APPLICANT: Szostak, Jack W.  
; APPLICANT: Roberts, Richard W.  
; APPLICANT: Liu, Rih  
; TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN  
; TITLE OF INVENTION: FUSIONS  
; FILE REFERENCE: 00786/350005  
; CURRENT APPLICATION NUMBER: US/09/876,235  
; CURRENT FILING DATE: 2001-06-06  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/247,190  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-09

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/035,963  
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-01-21  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/064,491  
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-11-06  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/007,005  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-01-14  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 29  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-876-235-29

Query Match 1.2%; Score 16.4; DB 1; Length 18;  
Best Local Similarity 94.4%; Pred. No. 74;  
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 679 GTGGTATTGGGACCCAG 696  
Db 1 GTGGTATTGTGAGCCAG 18

RESULT 9  
US-10-083-246A-108  
; Sequence 108, Application US/10083246A  
; Publication No. US20030152936A1  
; GENERAL INFORMATION:  
; APPLICANT: Athena Diagnostics  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR GENETIC ANALYSIS OF POLYCYSTIC KIDNEY  
; TITLE OF INVENTION: DISEASE  
; FILE REFERENCE: 1133/2002  
; CURRENT APPLICATION NUMBER: US/10/083,246A  
; CURRENT FILING DATE: 2002-10-15  
; NUMBER OF SEQ ID NOS: 168  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 108  
; LENGTH: 21  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; NAME/KEY: misc feature  
; LOCATION: (1)..(21)  
; OTHER INFORMATION: Synthetic primer  
US-10-083-246A-108

Query Match 1.2%; Score 16.2; DB 1; Length 21;  
Best Local Similarity 85.7%; Pred. No. 1.1e+02;  
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 713 CTGTGCCCCAGCAGCGGGG 733  
Db 1 CTGTGCCCCAGCAGCAAGGTG 21

RESULT 10  
US-09-792-818-388/c  
; Sequence 388, Application US/09792818  
; Publication No. US20030134806A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Jarvis, Thale  
; APPLICANT: Von Carlowitz, Ira  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Hamblin, Paul  
; APPLICANT: Ellis, Jonathan  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with In  
; TITLE OF INVENTION: (GRID) Gene  
; FILE REFERENCE: MBH00-901-A (400/013)  
; CURRENT APPLICATION NUMBER: US/09/792,818  
; CURRENT FILING DATE: 2001-02-23  
; NUMBER OF SEQ ID NOS: 2304  
; SOFTWARE: PatentIn version 3.0



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; SEQ ID NO 388
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-792-818-388

Query Match      1.2%; Score 16; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 299 CTGCTGTGGGGCTGC 314
Db 17 CTGCTGTGGGGCTGC 2

RESULT 11
US-09-792-818-389/c
; Sequence 389, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: Von Carlowitz, Ira
; APPLICANT: McSwiggen, Jim
; APPLICANT: Hamblin, Paul
; APPLICANT: Ellis, Jonathan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inse
; TITLE OF INVENTION: (GRID) Gene
; FILE REFERENCE: MBH800-901-A (400/013)
; CURRENT APPLICATION NUMBER: US/09/792,818
; CURRENT FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 2304
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 389
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-792-818-389

Query Match      1.2%; Score 16; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 299 CTGCTGTGGGGCTGC 314
Db 16 CTGCTGTGGGGCTGC 1

RESULT 12
US-10-225-023-43
; Sequence 43, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
; TITLE OF INVENTION: Interfering RNA
; FILE REFERENCE: 400/054 (MBH801-665-B)
; CURRENT APPLICATION NUMBER: US/10/225,023
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 10/157,580
; PRIOR FILING DATE: 2002-05-29
; NUMBER OF SEQ ID NOS: 1494
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 43
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
US-09-791-243-25

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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
US-10-225-023-43

Query Match      1.2%; Score 15.8; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 1.1e+02;
Matches 16; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 274 ATCAAGAGGAGGACGACGAG 292
Db 1 AUCAAUGAGGAGGACGACGAG 19

RESULT 13
US-10-225-023-781/c
; Sequence 781, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Usi
; TITLE OF INVENTION: Interfering RNA
; FILE REFERENCE: 400/054 (MBH801-665-B)
; CURRENT APPLICATION NUMBER: US/10/225,023
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 10/157,580
; PRIOR FILING DATE: 2002-05-29
; NUMBER OF SEQ ID NOS: 1494
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 781
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-225-023-781

Query Match      1.2%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 274 ATCAAGAGGAGGACGACGAG 292
Db 19 ATCAATGAGGAGGACGACGAG 1

RESULT 14
US-09-791-243-25/c
; Sequence 25, Application US/09791243
; Patent No. US20020147164A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Robert Rothlein
; APPLICANT: Takashi Kei Kishimoto
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOHESIN-1 EXPRESSION
; FILE REFERENCE: RTS-0095
; CURRENT APPLICATION NUMBER: US/09/791,243
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 25
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-791-243-25

Query Match      1.2%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;

```

```

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 521 ACCTGCCGAGGAGCAGCT 539
Db 20 ACCTGCCGAGGAGCAGCT 2

RESULT 15
US-09-842-758-79/c
; Sequence 79, Application US/09842758
; Publication No. US20030083244A1
; GENERAL INFORMATION:
; APPLICANT: Vernet, Corine A. M.
; APPLICANT: Fernandes, Elma R.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Shimketa, Richard A
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Zernusen, Bryan D
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Majumder, Kumud
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Catherine E
; APPLICANT: Gangoli, Esha A
; APPLICANT: Smithson, Glenda
; APPLICANT: Rastelli, Luca
; APPLICANT: MacDougall, John R
; APPLICANT: Taupier, Raymond J
; APPLICANT: Grosse, William M
; APPLICANT: Edward, Szekeres S
; APPLICANT: Alsobrook II, John P
; TITLE OF INVENTION: No. US20030083244A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-783
; CURRENT APPLICATION NUMBER: US/09/842,758
; CURRENT FILING DATE: 2001-04-25
; PRIOR APPLICATION NUMBER: 60/200,158
; PRIOR FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 60/200,613
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,780
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/201,006
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/201,007
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/201,236
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/201,238
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/201,186
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 60/201,474
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: 60/201,508
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: 60/220,591
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: 60/232,678
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: 60/263,217
; PRIOR FILING DATE: 2001-01-22
; PRIOR APPLICATION NUMBER: 60/265,160
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 79
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Ag/43 Forward

; OTHER INFORMATION: Primer
US-09-842-758-79
Query Match 1.2%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 641 TCTGCATCCCCCAAGACCT 659
Db 19 TCTGCATCCCCCAAGACAT 1

RESULT 16
US-10-006-972A-87/c
; Sequence 87, Application US/10006972A
; Publication No. US20030139359A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE 3 EXPRESSION
; FILE REFERENCE: RTS-0335
; CURRENT APPLICATION NUMBER: US/10/006,972A
; CURRENT FILING DATE: 2001-12-04
; NUMBER OF SEQ ID NOS: 94
; SEQ ID NO 87
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-972A-87
Query Match 1.2%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 631 CTCGAGGAGCTCTGCATCC 649
Db 19 CTCGAGGAGTCTCCATCC 1

RESULT 17
US-10-007-389-9
; Sequence 9, Application US/10007389
; Publication No. US20030165855A1
; GENERAL INFORMATION:
; APPLICANT: Russman, Eberhard
; APPLICANT: Meier, Thomas
; APPLICANT: Schmuck, Rainer
; APPLICANT: Staepels, Johnny
; APPLICANT: Wehnes, Uwe
; TITLE OF INVENTION: Methods for the analysis of non-proteinaceous
; TITLE OF INVENTION: components using a protease from a Bacillus strain
; FILE REFERENCE: Esperase
; CURRENT APPLICATION NUMBER: US/10/007,389
; CURRENT FILING DATE: 2001-10-29
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (1)
; OTHER INFORMATION: Ruthenium3+- (tris-bipyridyl)-derivatisation
US-10-007-389-9
Query Match 1.2%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 274 ATCAAAGAGCAAGCAGCAG 292

```

Db 1 ATCAATGAGGAGCTGCAG 19

## RESULT 18

US-10-322-138-52

; Sequence 52, Application US/10322138

; Publication No. US20030175765A1

; GENERAL INFORMATION:

; APPLICANT: Kessler, Christoph

; APPLICANT: Haberhausen, Gerd

; APPLICANT: Bartl, Knut

; APPLICANT: Orum, Henrik

; TITLE OF INVENTION: SPECIFIC AND SENSITIVE METHOD FOR DETECTING NUCLEIC ACIDS

; FILE REFERENCE: 4817/OQ

; CURRENT APPLICATION NUMBER: US/10/322.138

; CURRENT FILING DATE: 2002-12-17

; PRIOR APPLICATION NUMBER: US/09/530.746B

; PRIOR FILING DATE: 2000-11-16

; NUMBER OF SEQ ID NOS: 95

; SOFTWARE: PatentIn Version 3.1

; SEQ ID NO 52

; LENGTH: 20

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: amplification primer

US-10-322-138-52

Query Match

Best Local Similarity 1.2%; Score 15.8; DB 1; Length 20;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 274 ATCAAGAGGAGCAGCAG 292

Db 1 ATCAATGAGGAGCTGCAG 19

## RESULT 19

US-10-005-715-2/c

; Sequence 2, Application US/10005715

; Publication No. US20030023058A1

; GENERAL INFORMATION:

; APPLICANT: University of No. US20030023058A1th Carolina at Chapel Hill

; APPLICANT: Weston, Brent W.

; APPLICANT: Hiller, Kara M.

; TITLE OF INVENTION: ANTISENSE HUMAN FUCOSYLTRANSFERASE SEQUENCES AND METHODS OF USE

; FILE REFERENCE: 5470-259CT

; CURRENT APPLICATION NUMBER: US/10/005.715

; CURRENT FILING DATE: 2002-03-21

; PRIOR APPLICATION NUMBER: US 60/131,068

; PRIOR FILING DATE: 1999-04-26

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2

; LENGTH: 20

; TYPE: DNA

; ORGANISM: Artificial sequence

; FEATURE:

; OTHER INFORMATION: Synthetic oligonucleotide

US-10-005-715-2

Query Match

Best Local Similarity 1.2%; Score 15.8; DB 1; Length 20;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1322 CTTTGTAGATCTTGTCTT 1340

Db 19 CTTTGTAGATCTTCACTT 1

## RESULT 20

US-10-189-956-14

; Sequence 14, Application US/10189956

; Publication No. US20030152951A1

; GENERAL INFORMATION:

; APPLICANT: Mirel, Daniel B

; APPLICANT: Bugawan, Teodorica L

; APPLICANT: No. US20030152951A1le, Janelle A

; APPLICANT: Valdes, Ana M

; TITLE OF INVENTION: IL-4 RECEPTOR SEQUENCE VARIATION ASSOCIATED WITH TYPE 1

; FILE REFERENCE: 1803-295-999

; CURRENT APPLICATION NUMBER: US/10/189,956

; CURRENT FILING DATE: 2002-07-17

; NUMBER OF SEQ ID NOS: 62

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 14

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: probe used to identify IL4R

US-10-189-956-14

Query Match

Best Local Similarity 1.2%; Score 15.8; DB 1; Length 22;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 435 GTTCAGAAAGTTGCTGAAG 453

Db 3 GCTCAGAGAGTTGCTGAAG 21

## RESULT 21

US-10-189-956-43

; Sequence 43, Application US/10189956

; Publication No. US20030152951A1

; GENERAL INFORMATION:

; APPLICANT: Mirel, Daniel B

; APPLICANT: Bugawan, Teodorica L

; APPLICANT: No. US20030152951A1le, Janelle A

; APPLICANT: Valdes, Ana M

; TITLE OF INVENTION: IL-4 RECEPTOR SEQUENCE VARIATION ASSOCIATED WITH TYPE 1

; FILE REFERENCE: 1803-295-999

; CURRENT APPLICATION NUMBER: US/10/189,956

; CURRENT FILING DATE: 2002-07-17

; NUMBER OF SEQ ID NOS: 62

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 43

; LENGTH: 22

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: hybridization probe

US-10-189-956-43

Query Match

Best Local Similarity 1.2%; Score 15.8; DB 1; Length 22;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 435 GTTCAGAAAGTTGCTGAAG 453

Db 3 GCTCAGAGAGTTGCTGAAG 21

## RESULT 22

US-09-813-289-4/c

; Sequence 4, Application US/09813289

; Patent No. US20020061571A1

; GENERAL INFORMATION:

; APPLICANT: Mahadevan, M.S.

; APPLICANT: Tiscornia, G

;; TITLE OF INVENTION: No. US20020061571A1el isoform of myotonic dystrophy associated pr  
;; FILE OF INVENTION: thereof  
;; FILE REFERENCE: 800.027US1  
;; CURRENT APPLICATION NUMBER: US/09/813,289  
;; PRIOR FILING DATE: 2001-03-20  
;; PRIOR APPLICATION NUMBER: US 60/190,590  
;; PRIOR FILING DATE: 2000-03-20  
;; NUMBER OF SEQ ID NOS: 22  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 4  
;; LENGTH: 18  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-09-813-289-4

Query Match 1.1%; Score 15.4; DB 1; Length 18;  
Best Local Similarity 94.1%; Pred. No. 1.2e+02;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 578 AGGCCCTCGCTGCCCC 594  
Db 17 AGGCCCTCGCTGCCCC 1

## RESULT 23

US-09-809-920-19/c  
;; Sequence 19, Application US/09809920  
;; Publication No. US20030139584A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Sato, Takaaki  
;; TITLE OF INVENTION: TREX, A NOVEL GENE OF TRAF-INTERACTING  
;; EXT GENE FAMILY AND DIAGNOSTIC AND THERAPEUTIC USES  
;; THEREOF

NUMBER OF SEQUENCES: 37  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cooper & Dunham LLP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A  
ZIP: 10036

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/809,920  
FILING DATE: 16-Mar-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/156,191  
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 0575/51902  
TELEPHONE: (212) 278-0400  
TELEFAX: (212) 391-0525

INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)  
SEQUENCE DESCRIPTION: SEQ ID NO: 19:

Query Match 1.1%; Score 15.4; DB 1; Length 18;  
Best Local Similarity 94.1%; Pred. No. 1.2e+02;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 627 CCAGCTCCAGGAGCTCT 643  
Db 18 CCAGCTCCAGGAGCTCT 2

## RESULT 24

US-10-024-369-81/c  
;; Sequence 81, Application US/10024369  
;; Publication No. US20030134809A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Alexander H. Borchers  
;; APPLICANT: Donna T. Ward  
;; APPLICANT: Susan M. Freier  
;; TITLE OF INVENTION: ANTISENSE MODULATION OF ABC TRANSPORTER MHC 1 EXPRESSION  
;; FILE REFERENCE: RTS-0353  
;; CURRENT APPLICATION NUMBER: US/10/024,369  
;; CURRENT FILING DATE: 2001-12-17  
;; NUMBER OF SEQ ID NOS: 91  
;; SEQ ID NO 81  
;; LENGTH: 20  
;; TYPE: DNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Antisense Oligonucleotide  
US-10-024-369-81

Query Match 1.1%; Score 15.4; DB 1; Length 20;  
Best Local Similarity 94.1%; Pred. No. 1.5e+02;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 785 CCACCAGTCCCTGGCT 801  
Db 17 CCACCAGTCCCTGGAT 1

## RESULT 25

US-09-780-172-69/c  
;; Sequence 69, Application US/09780172  
;; Patent No. US20020147163A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Robert McKay  
;; APPLICANT: Susan M. Freier  
;; APPLICANT: Jacqueline Wyatt  
;; TITLE OF INVENTION: ANTISENSE MODULATION OF CASEIN KINASE 2-ALPHA EXPRESSION  
;; FILE REFERENCE: RTS-0159  
;; CURRENT APPLICATION NUMBER: US/09/780,172  
;; CURRENT FILING DATE: 2001-02-08  
;; NUMBER OF SEQ ID NOS: 96  
;; SEQ ID NO 69  
;; LENGTH: 20  
;; TYPE: DNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Antisense Oligonucleotide  
US-09-780-172-69

Query Match 1.1%; Score 15.2; DB 1; Length 20;  
Best Local Similarity 85.0%; Pred. No. 1.6e+02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1070 TCAGCAGGCTCTTCAGTGA 1089  
Db 20 TCTGCAGGCTCACCAGTGA 1

## RESULT 26

US-09-989-420-23/c  
;; Sequence 23, Application US/09989420  
;; Publication No. US20030013671A1  
;; GENERAL INFORMATION:  
;; APPLICANT: MINENO, Junichi et al.  
;; TITLE OF INVENTION: Genomic DNA library

```
; FILE REFERENCE: 1422-0506P
; CURRENT APPLICATION NUMBER: US/09/989,420
; CURRENT FILING DATE: 2001-11-21
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: a sequence of a primer for an
; OTHER INFORMATION: cyclin E1 gene
US-09-989-420-23

Query Match          1.1%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1238 TGCTGGACGTGCGCATGTGA 1257
Db 20 TCGGGACGTGGACATCTGA 1

RESULT 27
US-09-948-002-55
; Sequence 55, Application US/09948002
; Publication No. US20030050265A1
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean
; APPLICANT: Susan F. Murray
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRANSFORMING GROWTH
; FILE REFERENCE: ISPH-0607
; CURRENT APPLICATION NUMBER: US/09/948,002
; CURRENT FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 09/661,753
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/154,546
; PRIOR FILING DATE: 1999-09-17
; NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-948-002-55

Query Match          1.1%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 621 CAGGACCGCTCCAGGAGC 640
Db 1 CCGGACCGACGATGCAGGAGC 20

RESULT 28
US-09-954-556-94
; Sequence 94, Application US/09954556
; Publication No. US20030078219A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; APPLICANT: Scott Cooper
; TITLE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 2 EXPRE
; FILE REFERENCE: RTS-0250
; CURRENT APPLICATION NUMBER: US/09/954,556
; CURRENT FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 108
; SEQ ID NO 94
; LENGTH: 20
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-954-556-94

Query Match          1.1%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 856 TACCGTTTGAGTCCCCAC 875
Db 1 TGCCTCTGTGAGTCCCCAC 20

RESULT 29
US-10-116-949-33
; Sequence 33, Application US/10116949
; Publication No. US20030044911A1
; GENERAL INFORMATION:
; APPLICANT: Lerman, Michael I.
; APPLICANT: Minna, John D.
; APPLICANT: Latif, Farida
; APPLICANT: Wei, Ming-Hui
; APPLICANT: Sekido, Yoshitaka
; APPLICANT: Gao, Boning
; APPLICANT: Duh, Fuh-Wei
; TITLE OF INVENTION: Calcium Channel Compositions and Methods of Use Thereof
; FILE REFERENCE: NIH-05043
; CURRENT APPLICATION NUMBER: US/10/116,949
; CURRENT FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: EARLIER FILING DATE: US/09/470,443
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 60/114,359
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-116-949-33

Query Match          1.1%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 335 CTGGTGATGATGCACAGTGGC 354
Db 1 CTGGTGATGATGCACAGGAGC 20

RESULT 30
US-10-116-949-43
; Sequence 43, Application US/10116949
; Publication No. US20030044911A1
; GENERAL INFORMATION:
; APPLICANT: Lerman, Michael I.
; APPLICANT: Minna, John D.
; APPLICANT: Latif, Farida
; APPLICANT: Wei, Ming-Hui
; APPLICANT: Sekido, Yoshitaka
; APPLICANT: Gao, Boning
; APPLICANT: Duh, Fuh-Wei
; TITLE OF INVENTION: Calcium Channel Compositions and Methods of Use Thereof
; FILE REFERENCE: NIH-05043
; CURRENT APPLICATION NUMBER: US/10/116,949
; CURRENT FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: EARLIER FILING DATE: US/09/470,443
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 60/114,359
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-30
```

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; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-116-949-43

Query Match      1.1%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 335 CTGCTGATCTACAGTGC 354
Db 1 CTGCTGATGTCACAGGAGC 20

RESULT 31
US-10-067-443-16
; Sequence 16, Application US/10067443
; Publication No. US20030082782A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL METALLOPROTEASE HIGHLY EXPRESSED
; FILE REFERENCE: D0073 NP
; CURRENT APPLICATION NUMBER: US/10/067,443
; CURRENT FILING DATE: 2002-02-05
; PRIOR APPLICATION NUMBER: US 60/266,518
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 60/282,814
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 20
; TYPE: DNA
; ORGANISM: homo sapiens
US-10-067-443-16

Query Match      1.1%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 299 CTGCTGTGGGGCTGCAACT 318
Db 1 CTGCTGTGGTGAAGAACT 20

RESULT 32
US-10-271-887-168
; Sequence 168, Application US/10271887
; Publication No. US2003008787A1
; GENERAL INFORMATION:
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 9 EXPRESSION
; FILE REFERENCE: RTS-0183
; CURRENT APPLICATION NUMBER: US/10/271,887
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US/09/659,845A
; PRIOR FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 168
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-271-887-168

```

```

Query Match      1.1%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 567 ACTGCTCCAGCAGGCCCTCC 586
Db 1 ACTGCTCCAGATGCCATCC 20

RESULT 33
US-08-844-215-33/c
; Sequence 33, Application US/08844215
; Publication No. US20020016445A1
; GENERAL INFORMATION:
; APPLICANT: PERSSON, MATS AXEL
; APPLICANT: ALLANDER, TOBIAS ERIK
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS (HCV) E2 ANTIGEN
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROBINS & ASSOCIATES
; STREET: 90 MIDDLEFIELD ROAD, SUITE 200
; CITY: MENLO PARK
; STATE: CA
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/844,215
; FILING DATE: 17-APR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/635,109
; FILING DATE: 19-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MCCracken, THOMAS P.
; REGISTRATION NUMBER: 38,548
; REFERENCE/DOCKET NUMBER: 80146.002
; TELEPHONE: (650) 325-7812
; TELEFAX: (650) 325-7823
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-844-215-33

Query Match      1.1%; Score 15.2; DB 1; Length 21;
Best Local Similarity 85.0%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 262 CTGGGCTGGCTGATCAAGA 281
Db 21 CTGGGCTGGCTGATCAAGA 2

RESULT 34
US-10-016-986-49/c
; Sequence 49, Application US/10016986
; Publication No. US20030187247A1
; GENERAL INFORMATION:
; APPLICANT: Burton, Dennis R
; APPLICANT: Barbas, Carlos F
; APPLICANT: Lerner, Richard A
; TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
; TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS

```

```
/ FILE REFERENCE: 313.2CON1
/ CURRENT APPLICATION NUMBER: US/10/016,986
/ PRIOR FILING DATE: 2001-12-12
/ PRIOR APPLICATION NUMBER: US 09/149,898
/ PRIOR FILING DATE: 1998-09-08
/ PRIOR APPLICATION NUMBER: US 08/899,575
/ PRIOR FILING DATE: 1997-07-24
/ PRIOR APPLICATION NUMBER: US 08/276,852
/ PRIOR FILING DATE: 1994-07-18
/ PRIOR APPLICATION NUMBER: US 08/178,302
/ PRIOR FILING DATE: 1994-01-06
/ PRIOR APPLICATION NUMBER: PCT/US93/09328
/ PRIOR FILING DATE: 1993-09-30
/ PRIOR APPLICATION NUMBER: US 07/954,148
/ PRIOR FILING DATE: 1992-09-30
/ NUMBER OF SEQ ID NOS: 176
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 49
/ LENGTH: 21
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthesized
US-10-016-986-49
```

```
Query Match 1.1%; Score 15.2; DB 1; Length 21;
Best Local Similarity 85.0%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 262 CTGGGCTGCTGATCAAGA 281
Db 21 CTGGGCTGCTGATCAAGA 2
```

## RESULT 35

```
US-09-792-818-387/c
/ Sequence 387, Application US/09792818
/ Publication No. US20030134806A1
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: Jarvis, Thale
/ APPLICANT: Von Carlowitz, Ira
/ APPLICANT: McSwiggen, Jim
/ APPLICANT: Hamblin, Paul
/ APPLICANT: Ellis, Jonathan
/ TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insertion
/ FILE REFERENCE: MEH00-901-A (400/013)
/ CURRENT APPLICATION NUMBER: US/09/792,818
/ CURRENT FILING DATE: 2001-02-23
/ NUMBER OF SEQ ID NOS: 2304
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 387
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-09-792-818-387
```

```
Query Match 1.1%; Score 15; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 300 TGCTGTGGGGGTGC 314
Db 17 TGCTGTGGGGGTGC 3
```

## RESULT 36

```
US-09-792-818-390/c
/ Sequence 390, Application US/09792818
/ Publication No. US20030134806A1
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
```

```
/ APPLICANT: Jarvis, Thale
/ APPLICANT: Von Carlowitz, Ira
/ APPLICANT: McSwiggen, Jim
/ APPLICANT: Hamblin, Paul
/ APPLICANT: Ellis, Jonathan
/ TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insertion
/ FILE REFERENCE: MEH00-901-A (400/013)
/ CURRENT APPLICATION NUMBER: US/09/792,818
/ CURRENT FILING DATE: 2001-02-23
/ NUMBER OF SEQ ID NOS: 2304
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 390
/ LENGTH: 17
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-09-792-818-390
```

```
Query Match 1.1%; Score 15; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 299 CTGCTGTGGGGGTG 313
Db 15 CTGCTGTGGGGGTG 1
```

## RESULT 37

```
US-09-765-081-124/c
/ Sequence 124, Application US/09765081
/ Patent No. US20020037508A1
/ GENERAL INFORMATION:
/ APPLICANT: Cargill, Michele
/ APPLICANT: Ireland, James S.
/ APPLICANT: Lander, Eric S.
/ TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
/ FILE REFERENCE: 2825-2008-001
/ CURRENT APPLICATION NUMBER: US/09/765,081
/ CURRENT FILING DATE: 2001-01-18
/ PRIOR APPLICATION NUMBER: US 60/176,861
/ PRIOR FILING DATE: 2000-01-19
/ NUMBER OF SEQ ID NOS: 461
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 124
/ LENGTH: 21
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-765-081-124
```

```
Query Match 1.1%; Score 15; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 637 GAGCTCTGCATCCCCCA 653
Db 20 GAGCTCTGCTCTCCA 4
```

## RESULT 38

```
US-09-765-081-424/c
/ Sequence 424, Application US/09765081
/ Patent No. US20020037508A1
/ GENERAL INFORMATION:
/ APPLICANT: Cargill, Michele
/ APPLICANT: Ireland, James S.
/ APPLICANT: Lander, Eric S.
/ TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
/ FILE REFERENCE: 2825-2008-001
/ CURRENT APPLICATION NUMBER: US/09/765,081
/ CURRENT FILING DATE: 2001-01-18
/ PRIOR APPLICATION NUMBER: US 60/176,861
/ PRIOR FILING DATE: 2000-01-19
/ NUMBER OF SEQ ID NOS: 461
```

; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 424  
; LENGTH: 21  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-765-081-424

Query Match 1.1%; Score 15; DB 1; Length 21;  
Best Local Similarity 88.2%; Pred. No. 1.9e+02;  
Matches 15; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 794 CCTGGCTGCTCCCTG 810  
||||| :|||  
Db 20 CCTGGATCCTCCCTG 4

RESULT 39  
US-10-133-779-69/c  
; Sequence 69, Application US/10133779  
; Publication No. US20030165884A1  
; GENERAL INFORMATION:  
; APPLICANT: Chow, Robert  
; APPLICANT: Tonal, Richard  
; APPLICANT: StemCyt, Inc.  
; TITLE OF INVENTION: High Throughput Methods of HLA Typing  
; FILE REFERENCE: 020035-000210US  
; CURRENT APPLICATION NUMBER: US/10/133,779  
; CURRENT FILING DATE: 2002-04-25  
; PRIOR APPLICATION NUMBER: US/09/747,391  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/172,768  
; PRIOR FILING DATE: 1999-12-20  
; NUMBER OF SEQ ID NOS: 278  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 69  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-133-779-69

Query Match 1.1%; Score 14.8; DB 1; Length 18;  
Best Local Similarity 88.9%; Pred. No. 1.6e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 195 CCACCCGCGACGCGACGA 212  
||||| :|||  
Db 18 CCACGAGGCGCTACGA 1

RESULT 40  
US-10-440-850-1030/c  
; Sequence 1030, Application US/10440850  
; Publication No. US20030207837A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Jarvis, Thale  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reversal  
; FILE REFERENCE: 250/130 (MBH00-900-A)  
; CURRENT APPLICATION NUMBER: US/10/440,850  
; CURRENT FILING DATE: 2003-05-19  
; PRIOR APPLICATION NUMBER: US/09/650,012  
; PRIOR FILING DATE: 2000-08-28  
; PRIOR APPLICATION NUMBER: US 08/585,684  
; PRIOR FILING DATE: 1996-01-12  
; PRIOR APPLICATION NUMBER: US 60/000,951  
; PRIOR FILING DATE: 1995-07-07  
; PRIOR APPLICATION NUMBER: US 09/038,073  
; NUMBER OF SEQ ID NOS: 2285  
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1030  
; LENGTH: 18  
; TYPE: RNA  
; ORGANISM: Mus musculus  
US-10-440-850-1030

Query Match 1.1%; Score 14.8; DB 1; Length 18;  
Best Local Similarity 88.9%; Pred. No. 1.6e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 277 AAAGAGGAGGAGCAGCAGCA 294  
||||| :|||  
Db 18 AAAGAGGATCAGCAGCA 1

RESULT 41  
US-09-969-373-1795/c  
; Sequence 1795, Application US/09969373  
; Patent No. US20020133852A1  
; GENERAL INFORMATION:  
; APPLICANT: Eifert, Roger J.  
; APPLICANT: Hauge, Brian M.  
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping  
; FILE REFERENCE: 38-10(52679)A  
; CURRENT APPLICATION NUMBER: US/09/969,373  
; CURRENT FILING DATE: 2001-10-02  
; PRIOR APPLICATION NUMBER: US 09/754,853  
; PRIOR FILING DATE: 2001-01-05  
; PRIOR APPLICATION NUMBER: US 09/760,427  
; PRIOR FILING DATE: 2001-01-13  
; PRIOR APPLICATION NUMBER: US 09/855,768  
; PRIOR FILING DATE: 2001-05-15  
; NUMBER OF SEQ ID NOS: 4593  
; SEQ ID NO 1795  
; LENGTH: 19  
; TYPE: DNA  
; ORGANISM: Glycine max  
US-09-969-373-1795

Query Match 1.1%; Score 14.8; DB 1; Length 19;  
Best Local Similarity 88.9%; Pred. No. 1.8e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 18 GGATTAACCAACCCAG 35  
||||| :|||  
Db 19 GGATTAACCAACCCCTG 2

RESULT 42  
US-10-225-023-71  
; Sequence 71, Application US/10225023  
; Publication No. US20030175950A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Usi  
; FILE REFERENCE: 400/054 (MEHB01-665-B)  
; CURRENT APPLICATION NUMBER: US/10/225,023  
; CURRENT FILING DATE: 2003-01-06  
; PRIOR APPLICATION NUMBER: US 60/398,036  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: US 60/294,140  
; PRIOR FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: US 10/157,580  
; PRIOR FILING DATE: 2002-05-29  
; NUMBER OF SEQ ID NOS: 1494  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 71  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:



```
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense 1
US-10-225-023-71

Query Match          1.1%; Score 14.8; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.8e+02;
Matches 15; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 275 TCAAAGAGGAGGAGCAG 292
      :|||:|||||:|||||
Db 1 UCAUAGAGGAGGAGCAG 18

RESULT 43
US-10-225-023-129
; Sequence 129, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
; TITLE OF INVENTION: Interfering RNA
; FILE REFERENCE: 400/054 (MEHB01-665-B)
; CURRENT APPLICATION NUMBER: US/10/225,023
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 10/157,580
; PRIOR FILING DATE: 2002-05-29
; NUMBER OF SEQ ID NOS: 1494
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 129
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense 1
US-10-225-023-129

Query Match          1.1%; Score 14.8; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.8e+02;
Matches 15; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 274 ATCAAAGAGGAGGAGCAG 291
      :|||:|||||:|||||
Db 2 AUCAUAGAGGAGGAGCAG 19

RESULT 44
US-10-225-023-809/c
; Sequence 809, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
; TITLE OF INVENTION: Interfering RNA
; FILE REFERENCE: 400/054 (MEHB01-665-B)
; CURRENT APPLICATION NUMBER: US/10/225,023
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 10/157,580
; PRIOR FILING DATE: 2002-05-29
; NUMBER OF SEQ ID NOS: 1494
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 809
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense 1
US-10-225-023-809/c
```

```
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-225-023-809

Query Match          1.1%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 275 TCAAAGAGGAGGAGCAG 292
      :|||:|||||:|||||
Db 19 TCAATGAGGAGGAGCAG 2

RESULT 45
US-10-225-023-867/c
; Sequence 867, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
; TITLE OF INVENTION: Interfering RNA
; FILE REFERENCE: 400/054 (MEHB01-665-B)
; CURRENT APPLICATION NUMBER: US/10/225,023
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 10/157,580
; PRIOR FILING DATE: 2002-05-29
; NUMBER OF SEQ ID NOS: 1494
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 867
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-225-023-867

Query Match          1.1%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 274 ATCAAAGAGGAGGAGCAG 291
      :|||:|||||:|||||
Db 18 ATCAATGAGGAGGAGCAG 1

RESULT 46
US-09-539-382-23/c
; Sequence 23, Application US/09539382
; Publication No. US20030044417A1
; GENERAL INFORMATION:
; APPLICANT: McCormick, Alison
; APPLICANT: TUSE, Daniel
; APPLICANT: REINL, Stephen
; APPLICANT: LINDBO, John
; APPLICANT: TURPEN, Thomas
; TITLE OF INVENTION: SELF ANTIGEN VACCINES FOR TREATING B CELL LYMPHOMAS AND OTHER C
; FILE REFERENCE: 18696-169195
; CURRENT APPLICATION NUMBER: US/09/539,382
; CURRENT FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: US 60/155,579
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 23
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
```

; NAME/KEY: misc.feature  
; LOCATION: (..)()  
; OTHER INFORMATION: primer  
US-09-539-382-23

Query Match 1.1%; Score 14.8; DB 1; Length 20;  
Best Local Similarity 88.9%; Pred. No. 1.9e+02;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 261 CTGGGCTGCTGCTCAAA 278  
Db 19 CTGGGCTGCTGCTCAAA 2

## RESULT 47

US-09-919-197-42/c  
; Sequence 42, Application US/09919197  
; Publication No. US20030083484A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosanne M. Crooke  
; APPLICANT: Mark J. Graham  
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHORT HETERODIMER PARTNER-1 EXPRESSION  
; FILE REFERENCE: ISPH-0593  
; CURRENT APPLICATION NUMBER: US/09/919,197  
; CURRENT FILING DATE: 2001-07-31  
; NUMBER OF SEQ ID NOS: 89  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 42  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Antisense Oligonucleotide  
US-09-919-197-42

Query Match 1.1%; Score 14.8; DB 1; Length 20;  
Best Local Similarity 88.9%; Pred. No. 1.9e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 560 TGCACACACTGCTCCAGC 577  
Db 19 TGCACACACTGCTCCAGC 2

## RESULT 48

US-10-313-963A-32  
; Sequence 32, Application US/10313963A  
; Publication No. US20040002078A1  
; GENERAL INFORMATION:  
; APPLICANT: Boutell, Jonathan  
; APPLICANT: Godber, Benjamin  
; APPLICANT: Hart, Darren  
; APPLICANT: Blackburn, Jonathan  
; TITLE OF INVENTION: Arrays  
; FILE REFERENCE: KIL-001  
; CURRENT APPLICATION NUMBER: US/10/313,963A  
; CURRENT FILING DATE: 2003-06-19  
; PRIOR APPLICATION NUMBER: US 60/335,806  
; PRIOR FILING DATE: 2001-12-05  
; PRIOR APPLICATION NUMBER: US 60/410,815  
; PRIOR FILING DATE: 2002-09-16  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 32  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-10-313-963A-32

Query Match 1.1%; Score 14.8; DB 1; Length 20;  
Best Local Similarity 88.9%; Pred. No. 1.9e+02;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 589 CTGCCCCCACCACGCTG 606  
Db 2 CTGCCCCCACCACGCTG 19

## RESULT 49

US-10-238-442-42/c  
; Sequence 42, Application US/10238442  
; Publication No. US20030176383A1  
; GENERAL INFORMATION:  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Gaarde, William A.  
; APPLICANT: Nero, Pamela S.  
; APPLICANT: McKay, Robert  
; TITLE OF INVENTION: Antisense Modulation of p38 Mitogen  
; FILE REFERENCE: ISPH-0488  
; CURRENT APPLICATION NUMBER: US/10/238,442  
; CURRENT FILING DATE: 2002-09-09  
; PRIOR APPLICATION NUMBER: 09/640,101  
; PRIOR FILING DATE: 2000-08-15  
; PRIOR APPLICATION NUMBER: 09/286,904  
; PRIOR FILING DATE: 1999-04-06  
; NUMBER OF SEQ ID NOS: 107  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 42  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-10-238-442-42

Query Match 1.1%; Score 14.8; DB 1; Length 20;  
Best Local Similarity 88.9%; Pred. No. 1.9e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1287 TACAGTTGCTCAGCCTGG 1304  
Db 19 TAGAGCTGCTCAGCCTGG 2

## RESULT 50

US-10-067-790-23/c  
; Sequence 23, Application US/10067790  
; Publication No. US20030035807A1  
; GENERAL INFORMATION:  
; APPLICANT: McCormick, Alison  
; APPLICANT: Tuse, Daniel  
; APPLICANT: Reindel, Stephen  
; APPLICANT: Lindbo, John  
; APPLICANT: Turpen, Thomas  
; TITLE OF INVENTION: SELF ANTIGEN VACCINES FOR TREATING B CELL LYMPHOMAS AND OTHER C  
; FILE REFERENCE: 18696-169194  
; CURRENT APPLICATION NUMBER: US/10/067,790  
; CURRENT FILING DATE: 2002-02-08  
; PRIOR APPLICATION NUMBER: US/09/522,900  
; PRIOR FILING DATE: 2000-03-10  
; PRIOR APPLICATION NUMBER: US 60/155,579  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 62  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 23  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Unknown  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (..)()  
; OTHER INFORMATION: primer  
US-10-067-790-23

Query Match 1.1%; Score 14.8; DB 1; Length 20;  
Best Local Similarity 88.9%; Pred. No. 1.9e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 261 CCTGGGCTGGCTGATCAA 278  
|||||  
Db 19 CCTGGGCTGGCTGATCAA 2

## RESULT 51

US-10-067-892-23/c  
; Sequence 23, Application US/10067892  
; Publication No. US20030039659A1  
; GENERAL INFORMATION:  
; APPLICANT: MCCORMICK, Alison  
; APPLICANT: TUSE, Daniel  
; APPLICANT: REINL, Stephen  
; APPLICANT: LINDBO, John  
; APPLICANT: TURPEN, Thomas  
; TITLE OF INVENTION: SELF ANTIGEN VACCINES FOR TREATING B CELL LYMPHOMAS  
; FILE REFERENCE: 18696-169194  
; CURRENT APPLICATION NUMBER: US/10/067,892  
; CURRENT FILING DATE: 2002-02-08  
; PRIOR APPLICATION NUMBER: US/09/522,900  
; PRIOR FILING DATE: 2000-03-10  
; NUMBER OF SEQ ID NOS: 62  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 23  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Unknown  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: ().()  
; OTHER INFORMATION: primer  
US-10-067-892-23

Query Match 1.1%; Score 14.8; DB 1; Length 20;  
Best Local Similarity 88.9%; Pred. No. 1.9e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 261 CCTGGGCTGGCTGATCAA 278  
|||||  
Db 19 CCTGGGCTGGCTGATCAA 2

## RESULT 52

US-10-067-893-23/c  
; Sequence 23, Application US/10067893  
; Publication No. US20030044420A1  
; GENERAL INFORMATION:  
; APPLICANT: MCCORMICK, Alison  
; APPLICANT: TUSE, Daniel  
; APPLICANT: REINL, Stephen  
; APPLICANT: LINDBO, John  
; APPLICANT: TURPEN, Thomas  
; TITLE OF INVENTION: SELF ANTIGEN VACCINES FOR TREATING B CELL LYMPHOMAS AND OTHER CAN  
; FILE REFERENCE: 18696-169194  
; CURRENT APPLICATION NUMBER: US/10/067,893  
; CURRENT FILING DATE: 2002-02-08  
; PRIOR APPLICATION NUMBER: 09/522,900  
; PRIOR FILING DATE: 2000-03-10  
; PRIOR APPLICATION NUMBER: US 60/155,579  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 62  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 23  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Unknown  
; FEATURE:

; NAME/KEY: misc\_feature  
; LOCATION: ().()  
; OTHER INFORMATION: primer  
US-10-067-893-23

Query Match 1.1%; Score 14.8; DB 1; Length 20;  
Best Local Similarity 88.9%; Pred. No. 1.9e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 261 CCTGGGCTGGCTGATCAA 278  
|||||  
Db 19 CCTGGGCTGGCTGATCAA 2

## RESULT 53

US-10-263-872-35/c  
; Sequence 35, Application US/10263872  
; Publication No. US20030124585A1  
; GENERAL INFORMATION:  
; APPLICANT: Millar, Robert P  
; APPLICANT: Lowe, Steven  
; APPLICANT: Conklin, Darrell  
; TITLE OF INVENTION: Type II Gonadotropin - Releasing Hormone Receptor and Polynucle  
; FILE REFERENCE: P32303A  
; CURRENT APPLICATION NUMBER: US/10/263,872  
; CURRENT FILING DATE: 2002-10-02  
; NUMBER OF SEQ ID NOS: 43  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 35  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Synthetic primer  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Synthetic primer (antisense) : Human (Homo sapiens) Type II GnRH  
; OTHER INFORMATION: receptor  
US-10-263-872-35

Query Match 1.1%; Score 14.8; DB 1; Length 20;  
Best Local Similarity 88.9%; Pred. No. 1.9e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 483 CTGCCGAGAGCTGTGCA 500  
|||||  
Db 18 CTGCCGAGAGCTGTGCA 1

## RESULT 54

US-10-139-833-25/c  
; Sequence 25, Application US/10139833  
; Publication No. US20030004106A1  
; GENERAL INFORMATION:  
; APPLICANT: Saris, Christiaan M.  
; APPLICANT: Giles, Jennifer  
; APPLICANT: Mu, Sharon X.  
; APPLICANT: Xia, Min  
; APPLICANT: Bass, Michael B.  
; APPLICANT: Craveiro, Roger  
; TITLE OF INVENTION: Interleukin-1 Receptor Antagonist-Related Molecules and  
; FILE REFERENCE: 00-1213-E  
; CURRENT APPLICATION NUMBER: US/10/139,833  
; CURRENT FILING DATE: 2002-05-06  
; PRIOR APPLICATION NUMBER: 60/170,191  
; PRIOR FILING DATE: 1999-12-10  
; PRIOR APPLICATION NUMBER: 60/188,053  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR APPLICATION NUMBER: 60/194,521  
; PRIOR FILING DATE: 2000-04-04  
; PRIOR APPLICATION NUMBER: 60/195,910  
; PRIOR FILING DATE: 2000-04-10  
; PRIOR APPLICATION NUMBER: 09/724,583

;; PRIOR FILING DATE: 2000-11-28  
;; NUMBER OF SEQ ID NOS: 37  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 25  
;; TYPE: DNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence:  
;; OTHER INFORMATION: Oligonucleotide 2351-48  
US-10-139-833-25

Query Match 1.1%; Score 14.8; DB 1; Length 21;  
Best Local Similarity 88.9%; Pred. No. 2.1e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 597 CACGAGCCTCAGGCCTGA 614  
Db 21 CAGCAGCCTCAGGCCTGA 4

RESULT 55  
US-09-864-785-1485  
; Sequence 1485, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: Levels of NF-Kappa B  
; FILE REFERENCE: 400/022 (MBHB00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1485  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-1485

Query Match 1.1%; Score 14.4; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 1.7e+02;  
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1066 CCCATCAGGCGCTC 1081  
Db 1 CCCAUCAGGCGGCC 16

RESULT 56  
US-09-864-785-2738  
; Sequence 2738, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: Levels of NF-Kappa B  
; FILE REFERENCE: 400/022 (MBHB00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2738  
; LENGTH: 17  
; TYPE: RNA

;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-2738

Query Match 1.1%; Score 14.4; DB 1; Length 17;  
Best Local Similarity 87.5%; Pred. No. 1.7e+02;  
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1066 CCCATCAGGCGCTC 1081  
Db 2 CCCAUCAGGCGGCC 17

RESULT 57  
US-09-880-732-49/c  
; Sequence 49, Application US/09880732  
; Patent No. US20020127561A1  
; GENERAL INFORMATION:  
; APPLICANT: GENICON SCIENCES CORPORATION  
; APPLICANT: BEE, Gary  
; APPLICANT: KOHNE, David E.  
; APPLICANT: KORB, Linda  
; APPLICANT: PETERSON, Todd  
; APPLICANT: YGUERABIDE, Juan  
; TITLE OF INVENTION: ASSAY FOR GENETIC POLYMORPHISMS USING SCATTERED LIGHT DETECTABLE  
; FILE REFERENCE: 089498/0403  
; CURRENT APPLICATION NUMBER: US/09/880,732  
; CURRENT FILING DATE: 2001-09-17  
; PRIOR APPLICATION NUMBER: US 60/210,988  
; PRIOR FILING DATE: 2000-06-12  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 49  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Exemplary probe for CYP2D6 allele detection  
US-09-880-732-49

Query Match 1.1%; Score 14.4; DB 1; Length 18;  
Best Local Similarity 93.8%; Pred. No. 1.9e+02;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 562 CACACACTGCTCCAGC 577  
Db 16 CACCCACTGCTCCAGC 1

RESULT 58  
US-09-967-237-113/c  
; Sequence 113, Application US/09967237  
; Publication No. US20030049828A1  
; GENERAL INFORMATION:  
; APPLICANT: Zavada, Jan  
; APPLICANT: Pastorekova, Silvia  
; APPLICANT: Pastorek, Jaromir  
; TITLE OF INVENTION: MN Gene and Protein  
; FILE REFERENCE: D-0021.5B-2  
; CURRENT APPLICATION NUMBER: US/09/967,237  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/178,115  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 116  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 113  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: HUMAN  
US-09-967-237-113

Query Match 1.1%; Score 14.4; DB 1; Length 18;  
 Best Local Similarity 93.8%; Pred. No. 1.9e+02;  
 Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1017 GAGATGGTCCCAAGT 1032  
 |||||  
 Db 18 GAGATGGAGCCCAAGT 3

RESULT 59  
 US-10-297-068-599  
 ; Sequence 599, Application US/10297068  
 ; Publication No. US20030228585A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: INOKO, Hidetoshi  
 ; APPLICANT: KAGIYA, Taeko  
 ; APPLICANT: ICHIHARA, Tatsuo  
 ; APPLICANT: Matsumura, Yoshiyuki  
 ; APPLICANT: MORIYA, Shogo  
 ; APPLICANT: NISHIDA, Michio  
 ; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES  
 ; CURRENT APPLICATION NUMBER: US/10/297,068  
 ; CURRENT FILING DATE: 2002-11-27  
 ; PRIOR APPLICATION NUMBER: JP 2000-164798  
 ; PRIOR FILING DATE: 2000-06-01  
 ; NUMBER OF SEQ ID NOS: 1298  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 599  
 ; LENGTH: 18  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: capture  
 US-10-297-068-599

Query Match 1.1%; Score 14.4; DB 1; Length 18;  
 Best Local Similarity 93.8%; Pred. No. 1.9e+02;  
 Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1182 TCTATAGGTGAGTGTT 1197  
 |||||  
 Db 3 TCTATGGGTGAGTGTT 18

RESULT 60  
 US-09-880-732-50/c  
 ; Sequence 50, Application US/09880732  
 ; Patent No. US20020127561A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GENICON SCIENCES CORPORATION  
 ; APPLICANT: BEE, Gary  
 ; APPLICANT: KOHNE, David E.  
 ; APPLICANT: KORB, Linda  
 ; APPLICANT: PETERSON, Todd  
 ; APPLICANT: YGUERABIDE, Juan  
 ; TITLE OF INVENTION: ASSAY FOR GENETIC POLYMORPHISMS USING SCATTERED LIGHT DETECTABLE  
 ; FILE REFERENCE: 089498/0403  
 ; CURRENT APPLICATION NUMBER: US/09/880,732  
 ; CURRENT FILING DATE: 2001-09-17  
 ; PRIOR APPLICATION NUMBER: US 60/210,988  
 ; PRIOR FILING DATE: 2000-06-12  
 ; NUMBER OF SEQ ID NOS: 64  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 50  
 ; LENGTH: 19  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: Exemplary probe for CYP2D6 allele detection  
 US-09-880-732-50

Query Match 1.1%; Score 14.4; DB 1; Length 19;  
 Best Local Similarity 93.8%; Pred. No. 2.1e+02;  
 Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 562 CACACACTGCTCCAGC 577  
 |||||  
 Db 16 CACCCACTGCTCCAGC 1

RESULT 61  
 US-10-114-153-240/c  
 ; Sequence 240, Application US/10114153  
 ; Publication No. US20030185815A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Padigaru, Muralidhara  
 ; APPLICANT: Shenoy, Suresh  
 ; APPLICANT: Kekuda, Ramesh  
 ; APPLICANT: Rastelli, Luca  
 ; APPLICANT: Mezes, Peter  
 ; APPLICANT: Smithson, Glennnda  
 ; APPLICANT: Guo, Xiaojia  
 ; APPLICANT: Gerlach, Valerie  
 ; APPLICANT: Casman, Stacie  
 ; APPLICANT: Boldog, Ferenc  
 ; APPLICANT: Li, Li  
 ; APPLICANT: Zernusen, Bryan  
 ; APPLICANT: Tchernev, Velizar  
 ; APPLICANT: Gangolli, Esha  
 ; APPLICANT: Vernet, Corine  
 ; APPLICANT: Spytek, Kimberly  
 ; APPLICANT: Malyankar, Uziel  
 ; APPLICANT: Patturajan, Meera  
 ; APPLICANT: Miller, Charles  
 ; APPLICANT: Taupier, Raymond J. Jr.  
 ; APPLICANT: Heyes, Melvyn  
 ; APPLICANT: Ju, Jingfang  
 ; APPLICANT: Peyman, John  
 ; APPLICANT: Catterton, Elina  
 ; APPLICANT: Macdougall, John  
 ; APPLICANT: Edinger, Shlomit  
 ; APPLICANT: Stone, David  
 ; APPLICANT: Mazur, Ann  
 ; TITLE OF INVENTION: NOVEL ANTIBODIES THAT BIND TO ANTIGENIC POLYPEPTIDES, NUCLEIC AC  
 ; FILE REFERENCE: 21402-322A  
 ; CURRENT APPLICATION NUMBER: US/10/114,153  
 ; CURRENT FILING DATE: 2002-08-06  
 ; PRIOR APPLICATION NUMBER: 60/281086  
 ; PRIOR FILING DATE: 2001-04-03  
 ; PRIOR APPLICATION NUMBER: 60/281906  
 ; PRIOR FILING DATE: 2001-04-05  
 ; PRIOR APPLICATION NUMBER: 60/282020  
 ; PRIOR FILING DATE: 2001-04-06  
 ; PRIOR APPLICATION NUMBER: 60/282930  
 ; PRIOR FILING DATE: 2001-04-10  
 ; PRIOR APPLICATION NUMBER: 60/283512  
 ; PRIOR FILING DATE: 2001-04-12  
 ; PRIOR APPLICATION NUMBER: 60/283444  
 ; PRIOR FILING DATE: 2001-04-12  
 ; PRIOR APPLICATION NUMBER: 60/283657  
 ; PRIOR FILING DATE: 2001-04-13  
 ; PRIOR APPLICATION NUMBER: 60/283710  
 ; PRIOR FILING DATE: 2001-04-13  
 ; PRIOR APPLICATION NUMBER: 60/283678  
 ; PRIOR FILING DATE: 2001-04-13  
 ; PRIOR APPLICATION NUMBER: 60/284234  
 ; PRIOR FILING DATE: 2001-04-17  
 ; Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 251  
 ; SEQ ID NO 240  
 ; LENGTH: 19  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence

```
;
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: probe
US-10-114-153-240

Query Match      1.1%; Score 14.4; DB 1; Length 19;
Best Local Similarity 93.8%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 128 CGGACAGGACGCC 143
Db 17 CGGACAGGACGCC 2

RESULT 62
US-08-983-605-364/c
; Sequence 364, Application US/09883605A
; Publication No. US2002006118A1
; GENERAL INFORMATION:
; APPLICANT: Roder, Marion
; TITLE OF INVENTION: Microsatellite Markers for Plants of the Species
; TITLE OF INVENTION: Triticum aestivum and Tribe Triticeae and the Use of
; TITLE OF INVENTION: Said Markers
; FILE REFERENCE: 2936.10400
; CURRENT APPLICATION NUMBER: US/08/983,605A
; CURRENT FILING DATE: 1998-05-01
; EARLIER APPLICATION NUMBER: DE 195 25 284.5
; EARLIER FILING DATE: 1995-06-28
; NUMBER OF SEQ ID NOS: 466
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 364
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Triticum aestivum
US-08-983-605-364

Query Match      1.1%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 2.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 164 GATCCTCAAGTCTCG 179
Db 16 GACCCCTCAAGTCTCG 1

RESULT 63
US-09-752-983-48/c
; Sequence 48, Application US/09752983
; Patent No. US20010016575A1
; GENERAL INFORMATION:
; APPLICANT: Loren J. Miraglia, Pamela Nero, Mark J.
; APPLICANT: Graham, Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF HUMAN MDM2
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 271
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: U.S.A.
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM PC
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: WORDPERFECT 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/752,983
; FILING DATE: 02-Jan-2001
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/280,805
; FILING DATE: <Unknown>
```

```
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Licata, Jane Massey
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0346
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-810-1515
; TELEFAX: 609-810-1454
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; TYPE: Nucleic Acid
; LENGTH: 20 base pairs
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-09-752-983-48

Query Match      1.1%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 2.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 788 CCAGTGCCTCGCTCG 803
Db 20 CCAGTGCCTCGGCCG 5

RESULT 64
US-09-877-935-7/c
; Sequence 7, Application US/09877935
; Patent No. US20020102705A1
; GENERAL INFORMATION:
; APPLICANT: Pinto, Daniel
; APPLICANT: Robine, Sylvie
; APPLICANT: Jaisser, Frederic
; APPLICANT: Louvard, Daniel
; TITLE OF INVENTION: REGULATORY SEQUENCES OF THE MOUSE VILIN GENE - USE IN TRANSGEN
; FILE REFERENCE: 13294-002001
; CURRENT APPLICATION NUMBER: US/09/877,935
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: PCT/EP 98/08009
; PRIOR FILING DATE: 1998-12-09
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 7
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide
US-09-877-935-7

Query Match      1.1%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 2.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1288 ACAGTTGCTCAGCCTG 1303
Db 19 ACAGTTGCTCAGCCTG 4

RESULT 65
US-09-863-049A-17/c
; Sequence 17, Application US/09863049A
; Publication No. US20030032055A1
; GENERAL INFORMATION:
; APPLICANT: Kenwick, Sue J.
; APPLICANT: Nelson, David L.
; APPLICANT: Aradhya, Swaroop
; APPLICANT: D'Urso, Michele
; APPLICANT: Woffendin, Hayley
; APPLICANT: Munnich, Arnold
; APPLICANT: Smahi, Asmaa
; APPLICANT: Israel, Alain
; APPLICANT: Poustka, Annemarie
```

APPLICANT: Lewis, Richard A  
APPLICANT: Levy, Noise  
APPLICANT: Heiss, Nina  
TITLE OF INVENTION: Diagnosis and Treatment of Medical Conditions Associated with Def  
TITLE OF INVENTION: NEKAPPA B (NF-KB) Activation  
FILE REFERENCE: HO-P01961US1  
CURRENT APPLICATION NUMBER: US/09/863,049A  
CURRENT FILING DATE: 2001-05-22  
PRIOR FILING DATE: 2000-05-22  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 17  
LENGTH: 20  
TYPE: DNA  
ORGANISM: Human  
US-09-863-049A-17

Query Match 1.1%; Score 14.4; DB 1; Length 20;  
Best Local Similarity 93.8%; Pred. No. 2.3e+02;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 376 CAGCTTCCTCCAGGAG 391  
Db 20 CAGCTTCCTCCAGGAG 5

RESULT 66  
US-09-920-033-109/c  
Sequence 109, Application US/09920033  
Publication No. US20030087853A1  
GENERAL INFORMATION:  
APPLICANT: Rosanne M. Crooke  
APPLICANT: Mark J. Graham  
TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION  
FILE REFERENCE: ISPH-0592  
CURRENT APPLICATION NUMBER: US/09/920,033  
CURRENT FILING DATE: 2001-08-01  
NUMBER OF SEQ ID NOS: 123  
SEQ ID NO 109  
LENGTH: 20  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Antisense Oligonucleotide  
US-09-920-033-109

Query Match 1.1%; Score 14.4; DB 1; Length 20;  
Best Local Similarity 93.8%; Pred. No. 2.3e+02;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 612 TGACACCTTCAGGAG 627  
Db 16 TGACATCTTCAGGAG 1

RESULT 67  
US-10-307-928A-34/c  
Sequence 34, Application US/10307928A  
Publication No. US20030229016A1  
GENERAL INFORMATION:  
APPLICANT: Alsobrook, John P.  
APPLICANT: Anderson, David W.  
APPLICANT: Boldog, Ferenc L.  
APPLICANT: Burgess, Catherine E.  
APPLICANT: Catterton, Elina  
APPLICANT: Edinger, Shlomit R.  
APPLICANT: Gorman, Linda  
APPLICANT: Guo, Xiaojia (Sasha)  
APPLICANT: Ji, Weizhen  
APPLICANT: Kekuda, Ramesh  
APPLICANT: Li, Li  
APPLICANT: Patturajan, Meera

APPLICANT: Rieger, Daniel K.  
APPLICANT: Shenoy, Suresh G.  
APPLICANT: Spytek, Kimberly A.  
APPLICANT: Vernet, Corine A.M.  
APPLICANT: Voss, Edward Z.  
APPLICANT: Zhong, Mei  
TITLE OF INVENTION: NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS  
TITLE OF INVENTION: THE SAME  
FILE REFERENCE: 24102-502D  
CURRENT APPLICATION NUMBER: US/10/307,928A  
CURRENT FILING DATE: 2002-12-02  
PRIOR FILING DATE: 60/341,477  
PRIOR FILING DATE: 2001-12-17  
PRIOR APPLICATION NUMBER: 60/341,540  
PRIOR FILING DATE: 2001-12-17  
PRIOR APPLICATION NUMBER: 60/342,592  
PRIOR FILING DATE: 2001-12-20  
PRIOR APPLICATION NUMBER: 60/344,903  
PRIOR FILING DATE: 2001-12-31  
PRIOR APPLICATION NUMBER: 60/373,288  
PRIOR FILING DATE: 2002-04-17  
PRIOR APPLICATION NUMBER: 60/380,981  
PRIOR FILING DATE: 2002-05-15  
PRIOR APPLICATION NUMBER: 60/381,495  
PRIOR FILING DATE: 2002-05-17  
PRIOR APPLICATION NUMBER: 60/383,744  
PRIOR FILING DATE: 2002-05-28  
PRIOR APPLICATION NUMBER: 60/384,024  
PRIOR FILING DATE: 2002-05-29  
PRIOR APPLICATION NUMBER: 60/401,788  
PRIOR FILING DATE: 2002-08-07  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 53  
SOFTWARE: Curasequest version 0.1  
SEQ ID NO 34  
LENGTH: 20  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Primer/Probe  
US-10-307-928A-34

Query Match 1.1%; Score 14.4; DB 1; Length 20;  
Best Local Similarity 93.8%; Pred. No. 2.3e+02;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 715 GTGCCCCAGCAGCAGG 730  
Db 17 GTGCCCCAGCAGCAGG 2

RESULT 68  
US-10-388-263-645/c  
Sequence 645, Application US/10388263  
Publication No. US20030228597A1  
GENERAL INFORMATION:  
APPLICANT: Coscert, Lex M.  
APPLICANT: Baker, Brenda F.  
APPLICANT: McNeil, John  
APPLICANT: Freier, Susan M.  
APPLICANT: Sasmor, Henri M.  
APPLICANT: Brooks, Douglas G.  
APPLICANT: Ohashi, Cara  
APPLICANT: Wyatt, Jacqueline R.  
APPLICANT: Borchers, Alexander  
APPLICANT: Vickers, Timothy A.  
TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR  
MODULATION BY OLIGONUCLEOTIDES AND  
TITLE OF INVENTION: GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION  
FILE REFERENCE: ISIS-4503  
CURRENT APPLICATION NUMBER: US/10/388,263  
CURRENT FILING DATE: 2003-03-12  
NUMBER OF SEQ ID NOS: 947

SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 645  
LENGTH: 20

TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Antisense Oligonucleotide

US-10-388-263-645

Query Match 1.1%; Score 14.4; DB 1; Length 20;  
Best Local Similarity 93.8%; Pred. No. 2.3e+02;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 612 TGACACCTTCAGGGAC 627  
DB 16 TGACATCTTCAGGGAC 1

## RESULT 69

US-10-137-952-1  
Sequence 1, Application US/10137952  
Publication No. US20030170765A1

GENERAL INFORMATION:  
APPLICANT: VAHNSHEIN, INNA

TITLE OF INVENTION: SCREENING FOR ENZYME INHIBITORS  
FILE REFERENCE: 3817, 03-1 (HV)

CURRENT APPLICATION NUMBER: US/10/137,952  
CURRENT FILING DATE: 2002-05-03

NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 1  
LENGTH: 20

TYPE: DNA  
ORGANISM: Artificial Sequence

FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide

US-10-137-952-1

Query Match 1.1%; Score 14.4; DB 1; Length 20;  
Best Local Similarity 93.8%; Pred. No. 2.3e+02;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1288 ACAGTTGCTCAGCCTG 1303  
DB 3 ACAGTTGCGACGCTG 18

## RESULT 70

US-10-005-344-48/c  
Sequence 48, Application US/10005344  
Publication No. US20030203862A1

GENERAL INFORMATION:  
APPLICANT: Loren J. Miraglia

APPLICANT: Pamela Nero

APPLICANT: Mark J. Graham

APPLICANT: Brett P. Monia

APPLICANT: Rich Koller

APPLICANT: Mingyi Chiang

APPLICANT: Mano Manoharan

TITLE OF INVENTION: Antisense Modulation of mdm2 expression.

FILE REFERENCE: ISPH-0622

CURRENT APPLICATION NUMBER: US/10/005,344

PRIOR FILING DATE: 2001-12-04

PRIOR APPLICATION NUMBER: US 09/048,810

PRIOR FILING DATE: 1998-03-26

PRIOR APPLICATION NUMBER: US 09/280,805

PRIOR FILING DATE: 1999-03-26

NUMBER OF SEQ ID NOS: 379

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 48

LENGTH: 20

TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Antisense Oligonucleotide

US-10-005-344-48

Query Match 1.1%; Score 14.4; DB 1; Length 20;  
Best Local Similarity 93.8%; Pred. No. 2.3e+02;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 788 CCAGTGCCTGGCTCG 803  
DB 20 CCAGTGCCTGGCCCG 5

## RESULT 71

US-10-147-196-109/c

Sequence 109, Application US/10147196  
Publication No. US20030215943A1

GENERAL INFORMATION:  
APPLICANT: Rosanne M. Crooke

APPLICANT: Mark J. Graham

TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION

FILE REFERENCE: ISPH-0664

CURRENT APPLICATION NUMBER: US/10/147,196

CURRENT FILING DATE: 2002-05-15

NUMBER OF SEQ ID NOS: 124

SEQ ID NO 109

LENGTH: 20

TYPE: DNA  
ORGANISM: Artificial Sequence

FEATURE:  
OTHER INFORMATION: Antisense Oligonucleotide

US-10-147-196-109

Query Match 1.1%; Score 14.4; DB 1; Length 20;  
Best Local Similarity 93.8%; Pred. No. 2.3e+02;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 612 TGACACCTTCAGGGAC 627  
DB 16 TGACATCTTCAGGGAC 1

## RESULT 72

US-09-880-313A-120

Sequence 120, Application US/09880313A  
Publication No. US20030044791A1

GENERAL INFORMATION:  
APPLICANT: Flemington, Erik K

TITLE OF INVENTION: Adaptors and Methods of Use

FILE REFERENCE: 9397/1000

CURRENT APPLICATION NUMBER: US/09/880,313A

CURRENT FILING DATE: 2001-06-13

NUMBER OF SEQ ID NOS: 276

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 120

LENGTH: 19

TYPE: DNA  
ORGANISM: Artificial Sequence

FEATURE:  
OTHER INFORMATION: Oligonucleotide

US-09-880-313A-120

Query Match 1.0%; Score 14.2; DB 1; Length 19;  
Best Local Similarity 84.2%; Pred. No. 2.3e+02;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 717 GCGCCGAGCAGGGGGCC 735  
DB 1 GCGCCGCTGCAGGGGGCC 19



```
RESULT 73
US-10-225-023-180
; Sequence 180, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
; TITLE OF INVENTION: Interfering RNA
; FILE REFERENCE: 400/054 (MBH01-665-B)
; CURRENT APPLICATION NUMBER: US/10/225,023
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 10/157,580
; PRIOR FILING DATE: 2002-05-29
; NUMBER OF SEQ ID NOS: 1494
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 180
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siRNA sense i
US-10-225-023-180

Query Match          1.0%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 2.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 276 CAAGAGGAGGAGCAGCAGCA 294
||| ||||| |||||
Db 1 CAAGAGGAGGAGCAGCAGAA 19

RESULT 74
US-10-225-023-918/c
; Sequence 918, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
; TITLE OF INVENTION: Interfering RNA
; FILE REFERENCE: 400/054 (MBH01-665-B)
; CURRENT APPLICATION NUMBER: US/10/225,023
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 10/157,580
; PRIOR FILING DATE: 2002-05-29
; NUMBER OF SEQ ID NOS: 1494
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 918
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-225-023-918

Query Match          1.0%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 2.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 276 CAAGAGGAGGAGCAGCAGCA 294
||| ||||| |||||
Db 1 CAATGAGGAGGAGCTGCAGAA 1
```

```
RESULT 75
US-09-758-881-16/c
; Sequence 16, Application US/09758881
; Patent No. US20010029250A1
; GENERAL INFORMATION:
; APPLICANT: Karras, James G
; TITLE OF INVENTION: Antisense Oligonucleotide Modulation of STAT3
; TITLE OF INVENTION: Expression
; FILE REFERENCE: ISPH-0532
; CURRENT APPLICATION NUMBER: US/09/758,881
; CURRENT FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/09054
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 09/288,461
; PRIOR FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 152
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-758-881-16

Query Match          1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 628 CAGTCCGAGGAGCTCTGCA 646
||| ||||| |||||
Db 20 CAGCTCCATCAGCTCTACA 2

RESULT 76
US-09-758-881-68/c
; Sequence 68, Application US/09758881
; Patent No. US20010029250A1
; GENERAL INFORMATION:
; APPLICANT: Karras, James G
; TITLE OF INVENTION: Antisense Oligonucleotide Modulation of STAT3
; TITLE OF INVENTION: Expression
; FILE REFERENCE: ISPH-0532
; CURRENT APPLICATION NUMBER: US/09/758,881
; CURRENT FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/09054
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 09/288,461
; PRIOR FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 152
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 68
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-758-881-68

Query Match          1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1256 GAGGCGAGGTTGAGGCCCT 1274
||| ||||| |||||
Db 20 GAGGCGAGTTTGAGTCCCT 2

RESULT 77
US-09-992-901-4/c
; Sequence 4, Application US/09992901
; Patent No. US20020073446A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Neff, Michael M.
; APPLICANT: Chory, Joanne
; TITLE OF INVENTION: GENETICALLY MODIFIED PLANTS HAVING
; FILE REFERENCE: SALKING-024DV1
; CURRENT APPLICATION NUMBER: US/09/992,901
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 09/527,073
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: US 60/124570
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 60/170,931
; PRIOR FILING DATE: 1999-12-14
; PRIOR APPLICATION NUMBER: US 60/172,832
; PRIOR FILING DATE: 1999-12-20
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer
US-09-992-901-4
```

```
Query Match 1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1037 CTGACTTCTCCACGACAG 1055
||| ||| ||| ||| ||| ||| |||
Db 19 CTCACACTTCCACGACAG 1
```

```
RESULT 78
US-09-774-809-123
; Sequence 123, Application US/09774809
; Publication No. US20030004120A1
; GENERAL INFORMATION:
; APPLICANT: McKay, Robert A.
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Monia, Brett
; APPLICANT: Nero, Pam
; APPLICANT: Gaarde, William A.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS
; FILE REFERENCE: ISPH-0412
; CURRENT APPLICATION NUMBER: US/09/774,809
; CURRENT FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 09/396,902
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 09/130,616
; PRIOR FILING DATE: 1998-08-07
; PRIOR APPLICATION NUMBER: 08/910,629
; PRIOR FILING DATE: 1997-08-03
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 123
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-774-809-123
```

```
Query Match 1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 910 CTGGTCCTAAAGGAGATGG 928
||| ||| ||| ||| ||| ||| |||
Db 2 CTGCACCTAAAGGACGG 20
```

```
RESULT 79
US-09-915-485-52/c
; Sequence 52, Application US/09915485
; Publication No. US20030083281A1
; GENERAL INFORMATION:
; APPLICANT: Mark J. Graham
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF SERUM AMYLOID A4 EXPRESSION
; FILE REFERENCE: RTS-0251
; CURRENT APPLICATION NUMBER: US/09/915,485
; CURRENT FILING DATE: 2001-07-25
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 52
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-915-485-52
```

```
Query Match 1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 282 GGAGCAGCAGCAATGTCT 300
||| ||| ||| ||| ||| ||| |||
Db 20 GGAAACAGCAGCACTGTAT 2
```

```
RESULT 80
US-09-953-047-85/c
; Sequence 85, Application US/09953047
; Publication No. US20030087854A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 3 EXP
; FILE REFERENCE: RTS-0157
; CURRENT APPLICATION NUMBER: US/09/953,047
; CURRENT FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 85
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-953-047-85
```

```
Query Match 1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 521 ACCTGCCGAGGAGCAGCT 539
||| ||| ||| ||| ||| ||| |||
Db 20 AGCCGCCGAGGAGCAGCT 2
```

```
RESULT 81
US-09-972-607-44/c
; Sequence 44, Application US/09972607
; Publication No. US20030105037A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B KINASE-GAMMA EXPRES
; FILE REFERENCE: RTS-0191
; CURRENT APPLICATION NUMBER: US/09/972,607
; CURRENT FILING DATE: 2001-10-06
; NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 44
; LENGTH: 20
```

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-972-607-44

```

Query Match 1.0%; Score 14.2; DB 1; Length 20;  
Best Local Similarity 84.2%; Pred. No. 2.5e+02;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 718 GCCCAGCAGCAGGGGCTT 736  
Db 20 GCCCAGTTGCAGGTGGCTT 2

```

RESULT 82
US-10-006--972A-49
; Sequence 49, Application US/10006972A
; Publication No. US20030139359A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE 3 EXPRESSION
; FILE REFERENCE: RTS-0335
; CURRENT APPLICATION NUMBER: US/10/006,972A
; CURRENT FILING DATE: 2001-12-04
; NUMBER OF SEQ ID NOS: 94
; SEQ ID NO 49
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; - OTHER INFORMATION: Antisense Oligonucleotide
US-10-006--972A-49

```

```
Query Match          1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

QY	232	CCTCAGGCATCTGCATCTG	250
Db	1	CCAAAGTCATCTGCATCTG	19

```

RESULT 83
US-10-371-474-79/c
; Sequence 79, Application US/10371474
; Publication No. US20030144242A1
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: William Gaarde
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF MEKK4 EXPRESSION
; FILE REFERENCE: RTG-0169
; CURRENT APPLICATION NUMBER: US/10/371,474
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US/09/676,436
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 89

```

```

; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-371-474-79

```

Query Match 1.0%; Score 14.2; DB 1; Length 20;  
Best Local Similarity 84.2%; Pred. No. 2.5e+02;  
Matches 16; Conservative 0; Mismatches 3; Indels

QY 215 GCCAGCGAGCTCCTCAGCC 233

Db 20 GCCAGCCAGCTCCTCGACC 2

RESULT 84

```

US-10-384-933-90
; Sequence 90, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuho
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 90
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial
; OTHER INFORMATION: primer for a DNA encoding
; -OTHER INFORMATION: humanized anti-Fas antibody
US-10-384-933-90

```

Query Match 1.0%; Score 14.2; DB 1; Length 20;  
Best Local Similarity 84.2%; Pred. No. 2.5e+02;  
Matches 16; Conservative 0; Mismatches 3; Indels

QY 482 ACTGCCGAGACGGTGTGCA 500  
Db 1 ACAGCCGGGAAGGTGTGCA 19

```

RESULT 85
US-09-843-377-71/c
; Sequence 71, Application US/09843377
; Publication No. US20030176371A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF INTERFERON GAMMA RECEPTOR 2 EXPRESSION
; FILE REFERENCE: RTS-0235
; CURRENT APPLICATION NUMBER: US/09/843,377
; CURRENT FILING DATE: 2001-04-26
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 71
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-843-377-71

```

```
Query Match          1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

QY 654 AGACCTGGTCGGGCACTTG 672  
Db 20 AGACCTGGTCGTCGCTTG 2

RESULT 86  
US-10-356-625-103/c  
; Sequence 103, Application US/10356625

```
; Publication No. US20030186290A1
; GENERAL INFORMATION:
; APPLICANT: Tournier-Lasserre, Elisabeth
; APPLICANT: Joutel, Anne
; APPLICANT: Bousser, Marie-Germaine
; APPLICANT: Bach, Jean-Francois
; TITLE OF INVENTION: GENE INVOLVED IN CADASIL, METHOD OF DIAGNOSIS AND
; FILE REFERENCE: 03715.0048-00000
; CURRENT APPLICATION NUMBER: US/10/356,625
; CURRENT FILING DATE: 2003-02-03
; PRIOR APPLICATION NUMBER: US/09/230,652
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: FR 96 09733
; PRIOR FILING DATE: 1996-08-01
; PRIOR APPLICATION NUMBER: FR 97 04680
; PRIOR FILING DATE: 1997-04-16
; PRIOR APPLICATION NUMBER: PCT/FR97/01433
; PRIOR FILING DATE: 1997-07-31
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 103
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-356-625-103

Query Match      1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1208 ACCTCCCTTCCTGTACA 1236
    ||||| ||||| ||||| |||||
Db 20 ACCTGACCTTCCTGTGCA 2

RESULT 87
US-10-148-835-131
; Sequence 131, Application US/10148835
; Publication No. US20030207380A1
; GENERAL INFORMATION:
; APPLICANT: SAITO et al.
; TITLE OF INVENTION: MUTANT ER alpha AND TEST SYSTEMS FOR TRANSACTIVATION
; FILE REFERENCE: 2185-0648P
; CURRENT APPLICATION NUMBER: US/10/148,835
; CURRENT FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 213
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 131
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: oligonucleotide probe for Southern hybridization
US-10-148-835-131

Query Match      1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1002 CTTGGACAGCACCTGAGA 1020
    ||||| ||||| ||||| |||||
Db 2 CTTGGACAGCAACACGGA 20

RESULT 88
US-10-148-835-139/c
; Sequence 139, Application US/10148835
; Publication No. US20030207380A1
; GENERAL INFORMATION:
```

```
; APPLICANT: SAITO et al.
; TITLE OF INVENTION: MUTANT ER alpha AND TEST SYSTEMS FOR TRANSACTIVATION
; FILE REFERENCE: 2185-0648P
; CURRENT APPLICATION NUMBER: US/10/148,835
; CURRENT FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 213
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 139
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: oligonucleotide probe for Southern hybridization
US-10-148-835-139

Query Match      1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 469 CTGCAGGGGAGGACTGCC 487
    ||||| ||||| ||||| |||||
Db 20 CTGCAGGGTCAAGGCTGCC 2

RESULT 89
US-10-111-866-12/c
; Sequence 12, Application US/10111866
; Publication No. US20030077709A1
; GENERAL INFORMATION:
; APPLICANT: Yamarouchi Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: No. US2003007709A1e1 Leukotriene B4 Receptor
; FILE REFERENCE: Q69841
; CURRENT APPLICATION NUMBER: US/10/111,866
; CURRENT FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: JP 2000-078992
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: JP 2000-187978
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: PCT/JP01/02060
; PRIOR FILING DATE: 2001-03-15
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-111-866-12

Query Match      1.0%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 723 GCAGCAGGGGCGCTGGCTG 741
    ||||| ||||| ||||| |||||
Db 20 GCTGCTGGGGTCTGGCTG 2

RESULT 90
US-10-216-484-90
; Sequence 90, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
```

**FEATURE:**

Query Match

Best Local Similarity 100.0%; Pred. No. 2.5e+02; Indels 0; Gaps 0;  
Matches 14; Conservative 0; Mismatches 0;

QY 282 GGAAGCAGCAGCAA 295  
Db 1 GGAAGCAGCAGCAA 14

## RESULT 95

US-09-880-313A-259/c

; Sequence 259, Application US/0980313A

; Publication No. US20030044791A1

; GENERAL INFORMATION:

; APPLICANT: Flemington, Erik K

; TITLE OF INVENTION: Adaptors and Methods of Use

; FILE REFERENCE: 9397/1000

; CURRENT APPLICATION NUMBER: US/09/880,313A

; CURRENT FILING DATE: 2001-06-13

; NUMBER OF SEQ ID NOS: 276

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 259

; LENGTH: 19

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide

US-09-880-313A-259

Query Match 1.0%; Score 14; DB 1; Length 19;  
Best Local Similarity 100.0%; Pred. No. 2.5e+02;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 803 GTCCTCGCAGCG 816  
Db 18 GTCCTCGCAGCG 5

## RESULT 96

US-09-226-402-6

; Sequence 6, Application US/09226402

; Publication No. US20030051260A1

; GENERAL INFORMATION:

; APPLICANT: Chada, Kiran K.

; APPLICANT: Ashar, Hena

; APPLICANT: Tkachenko, Alex

; APPLICANT: Zhou, Xianjin

; TITLE OF INVENTION: HMGI Proteins in Cancer and Obesity

; NUMBER OF SEQUENCES: 32

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Richard R. Muccino

; STREET: 758 Springfield Avenue

; CITY: Summit

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07901

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC DOS/MS DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/226,402

; FILING DATE: 06 JAN 1999

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Muccino, Richard R.

; REGISTRATION NUMBER: 32,538

; REFERENCE/DOCKET NUMBER: UMD1 037CIPCI

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (908) 273 4988

; TELEFAX: (908) 273 4679

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 19 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: unknown  
; TOPOLOGY: unknown  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHEICAL: NO  
US-09-226-402-6

## Query Match

Best Local Similarity 100.0%; Pred. No. 2.5e+02; Indels 0; Gaps 0;

Matches 14; Conservative 0; Mismatches 0;

QY 282 GGAAGCAGCAGCAA 295  
Db 1 GGAAGCAGCAGCAA 14

## RESULT 97

US-09-799-760-7/c

; Sequence 7, Application US/09799760

; Patent No. US20010021771A1

; GENERAL INFORMATION:

; APPLICANT: Prusiner, Stanley

; APPLICANT: Tremblay, Patrick

; APPLICANT: Moore, Richard

; APPLICANT: Westaway, David

; APPLICANT: Hood, Leroy E.

; APPLICANT: Lee, Inyoul

; TITLE OF INVENTION: P-P-like Gene

; FILE REFERENCE: 6510-130CON

; CURRENT APPLICATION NUMBER: US/09/799,760

; CURRENT FILING DATE: 2001-03-05

; PRIOR APPLICATION NUMBER: 09/309,317

; PRIOR FILING DATE: 1999-05-11

; NUMBER OF SEQ ID NOS: 21

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 7

; LENGTH: 20

; TYPE: DNA

; ORGANISM: homosapien

US-09-799-760-7

## Query Match

Best Local Similarity 100.0%; Pred. No. 2.8e+02; Indels 0; Gaps 0;

Matches 14; Conservative 0; Mismatches 0;

QY 269 GGCATCAAGAG 282  
Db 20 GGCATCAAGAG 7

## RESULT 98

US-09-730-617-98/c

; Sequence 98, Application US/09730617

; Patent No. US20020068279A1

; GENERAL INFORMATION:

; APPLICANT: Burgess, Catherine E

; APPLICANT: Prayaga, Sudhirdas K

; APPLICANT: Shinkets, Richard A

; APPLICANT: Rastelli, Luca

; APPLICANT: Zerkhusen, Bryan D

; APPLICANT: Mezes, Peter S

; TITLE OF INVENTION: No. US20020068279A1el Proteins and Nucleic Acids Encoding the S

; FILE REFERENCE: 15966-609

; CURRENT APPLICATION NUMBER: US/09/730,617

; CURRENT FILING DATE: 2000-12-05

; PRIOR APPLICATION NUMBER: 60/169,056

; PRIOR FILING DATE: 1999-12-06

; PRIOR APPLICATION NUMBER: 60/169,886

; PRIOR FILING DATE: 1999-12-09

; PRIOR APPLICATION NUMBER: 60/169,866

; PRIOR FILING DATE: 1999-12-09

; PRIOR APPLICATION NUMBER: 60/170,252

```

; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 60/175,740
; PRIOR FILING DATE: 2000-01-12
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 98
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: chemically
US-09-730-617-98

Query Match
Best Local Similarity 1.0%; Score 14; DB 1; Length 20;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 827 TGCAGCTGAAGCTT 840
Db 16 TGCAGCTGAAGCTT 3

RESULT 99
US-10-004-115A-8/c
; Sequence 8, Application US/10004115A
; Publication No. US20030134402A1
; GENERAL INFORMATION:
; APPLICANT: ASAKO, HIROYUKI
; APPLICANT: MATSUMURA, KENJI
; APPLICANT: SHIMIZU, MASATOSHI
; APPLICANT: ITO, NOBUYA
; APPLICANT: WAKITA, RYOHEI
; TITLE OF INVENTION: PROCESS FOR PRODUCING OPTICALLY ACTIVE
; FILE REFERENCE: 7372-72249
; CURRENT APPLICATION NUMBER: US/10/004,115A
; CURRENT FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: JP 2000-372704
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: JP 2001-006144
; PRIOR FILING DATE: 2001-01-15
; PRIOR APPLICATION NUMBER: JP 2001-026594
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: JP 2001-175175
; PRIOR FILING DATE: 2001-06-11
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-004-115A-8

Query Match
Best Local Similarity 1.0%; Score 14; DB 1; Length 20;
Matches 14; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 867 GGTCCCCACAGCCAGTTCC 886
Db 20 GGTWCCARAAACAGTTCC 1

RESULT 100
US-10-234-951A-65
; Sequence 65, Application US/10234951A
; Publication No. US20030162251A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN POTASSIUM CHANNEL
; TITLE OF INVENTION: BETA-SUBUNIT, K-betaM8

```

```

; FILE REFERENCE: D0162 NP
; CURRENT APPLICATION NUMBER: US/10/234,951A
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: U.S. 60/317,087
; PRIOR FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: U.S. 60/329,666
; PRIOR FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-10-234-951A-65

Query Match
Best Local Similarity 1.0%; Score 14; DB 1; Length 20;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 603 CCTGAAGCCTGACA 616
Db 1 CCTGAAGCCTGACA 14

RESULT 101
US-10-005-549-51
; Sequence 51, Application US/10005549
; Publication No. US20030190613A1
; GENERAL INFORMATION:
; APPLICANT: BOWEN, MICHAEL A.
; APPLICANT: WU, YULI
; APPLICANT: YANG, WEN-PIN
; APPLICANT: FINGER, JOSHUA
; APPLICANT: NADLER, STEVEN
; APPLICANT: CARROLL, PAMELA
; APPLICANT: FEDER, JOHN
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING AN ACTIVATED HUMAN
; TITLE OF INVENTION: T-LYMPHOCYTE-DERIVED PROTEIN RELATED TO UBIQUITIN
; TITLE OF INVENTION: CONJUGATING ENZYME
; FILE REFERENCE: D0034NP
; CURRENT APPLICATION NUMBER: US/10/005,549
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/308,706
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/244,688
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-005-549-51

Query Match
Best Local Similarity 1.0%; Score 14; DB 1; Length 20;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 603 CCTGAAGCCTGACA 616
Db 1 CCTGAAGCCTGACA 14

RESULT 102
US-10-056-884-69
; Sequence 69, Application US/10056884
; Publication No. US20030032786A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN POTASSIUM CHANNEL BETA-SUB
; TITLE OF INVENTION: K-betaM2

```

```
; FILE REFERENCE: D0076 NP
; CURRENT APPLICATION NUMBER: US/10/056,884
; CURRENT FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: US 60/263,872
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/269,794
; PRIOR FILING DATE: 2001-02-14
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 69
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-10-056-884-69
```

```
Query Match 1.0%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 2.8e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 603 CCTGAAGCCTGACA 616
Db 1 CCTGAAGCCTGACA 14
|||||
```

## RESULT 103

```
US-10-080-980-70
; Sequence 70, Application US/10080980
; Publication No. US20030036115A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN POTASSIUM CHANNEL BETA-SUB
; TITLE OF INVENTION: K-betaM6, EXPRESSED HIGHLY IN THE SMALL INTESTINE
; FILE REFERENCE: D0121 NP
; CURRENT APPLICATION NUMBER: US/10/080,980
; CURRENT FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/270,132
; PRIOR FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: US 60/278,953
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 70
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-10-080-980-70
```

```
Query Match 1.0%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 2.8e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 603 CCTGAAGCCTGACA 616
Db 1 CCTGAAGCCTGACA 14
|||||
```

## RESULT 104

```
US-10-086-156-53
; Sequence 53, Application US/10086156
; Publication No. US20030054989A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING TWO NOVEL HUMAN POTASSIUM CHANNEL BETA-SU
; TITLE OF INVENTION: K-betaM4 and K-betaM5
; FILE REFERENCE: D0115NP
; CURRENT APPLICATION NUMBER: US/10/086,156
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/272,190
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 60/274,258
; PRIOR FILING DATE: 2001-03-07
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: PatentIn version 3.0
```

```
; SEQ ID NO 53
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-10-086-156-53
```

```
Query Match 1.0%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 2.8e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 603 CCTGAAGCCTGACA 616
Db 1 CCTGAAGCCTGACA 14
|||||
```

## RESULT 105

```
US-10-071-458-30
; Sequence 30, Application US/10071458
; Publication No. US20030114371A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN POTASSIUM CHANNEL BETA-SUB
; TITLE OF INVENTION: K-betaM3
; FILE REFERENCE: D0114.RP
; CURRENT APPLICATION NUMBER: US/10/071,458
; CURRENT FILING DATE: 2002-02-07
; PRIOR APPLICATION NUMBER: US 60/267,039
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 60/281,224
; PRIOR FILING DATE: 2001-04-03
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 30
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-10-071-458-30
```

```
Query Match 1.0%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 2.8e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 603 CCTGAAGCCTGACA 616
Db 1 CCTGAAGCCTGACA 14
|||||
```

## RESULT 106

```
US-10-008-789-21
; Sequence 21, Application US/10008789
; Publication No. US20030125276A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Kenneth Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF THYROID HORMONE RECEPTOR INTERACTOR 6 E
; FILE REFERENCE: RTS-0333
; CURRENT APPLICATION NUMBER: US/10/008,789
; CURRENT FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 21
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense oligonucleotide
US-10-008-789-21
```

```
Query Match 1.0%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 2.8e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 670 TTGGCCAGCTGGT 683
|||||
```



```
Db      1  TTGCCAGCGTGGT 14

RESULT 107
US-09-866-108-1783/c
; Sequence 1783, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1783
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-1783

Query Match      1.0%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      546  CCTGCTGGCAGGCTGTC 562
Db      17  CCTGCTGGCAGGCTGTC 1

RESULT 108
US-09-866-108-6157
; Sequence 6157, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
```

```
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 6157
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-6157

Query Match      1.0%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      255  CGACCTCTCGGCTGGC 271
Db      1  CGACCTCAGCGCTGGC 17

RESULT 109
US-09-866-108-6158
; Sequence 6158, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
```

```

, PRIOR FILING DATE: 2000-05-26
, PRIOR APPLICATION NUMBER: GB 24263.6
, PRIOR FILING DATE: 2000-10-04
, PRIOR APPLICATION NUMBER: US 60/236,359
, PRIOR FILING DATE: 2000-09-27
, PRIOR APPLICATION NUMBER: PCT/US01/00666
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00667
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00668
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00669
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00665
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00668
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00663
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00662
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00661
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00670
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: US 60/234,687
, PRIOR FILING DATE: 2000-09-21
, PRIOR APPLICATION NUMBER: US 60/266,860
, PRIOR FILING DATE: 2001-02-05
, NUMBER OF SEQ ID NOS: 15752
, SOFTWARE: Acomica Sequence Listing Engine
, SEQ ID NO 6158
, LENGTH: 17
, TYPE: DNA
, ORGANISM: Homo sapiens
US-09-866-108-6158

```

```

Query Match      1.0%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
OY 256 GACCTCTGGGCTGGCT 272
      |||||
Db 1 GACCTCAGCGGCTGGCT 17

```

RESULT 110  
US-09-866-108-8382/c  
/ Sequence 8382, Application US/09866108  
/ Patent No. US20020048800A1  
/ GENERAL INFORMATION:  
/ APPLICANT: GU, Yizhong  
/ APPLICANT: JI, Yonggang  
/ APPLICANT: PENN, Sharron G.  
/ APPLICANT: HANZEL, David K.  
/ APPLICANT: RANK, David R.  
/ APPLICANT: CHEN, Wensheng  
/ APPLICANT: SHANNON, Mark  
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
/ FILE REFERENCE: AEOMICA-7  
/ CURRENT APPLICATION NUMBER: US/09/866,108  
/ CURRENT FILING DATE: 2001-05-25  
/ PRIOR APPLICATION NUMBER: US 60/207,456  
/ PRIOR FILING DATE: 2000-05-26  
/ PRIOR APPLICATION NUMBER: GB 24263.6  
/ PRIOR FILING DATE: 2000-10-04  
/ PRIOR APPLICATION NUMBER: US 60/236,359  
/ PRIOR FILING DATE: 2000-09-27  
/ PRIOR APPLICATION NUMBER: PCT/US01/00666  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00667  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00664

```

, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00669
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00665
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00668
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00663
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00662
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00661
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: PCT/US01/00670
, PRIOR FILING DATE: 2001-01-30
, PRIOR APPLICATION NUMBER: US 60/234,687
, PRIOR FILING DATE: 2000-09-21
, PRIOR APPLICATION NUMBER: US 60/266,860
, PRIOR FILING DATE: 2001-02-05
, NUMBER OF SEQ ID NOS: 15752
, SOFTWARE: Aecomia Sequence Listing Engine
, SEQ ID NO 8382
, LENGTH: 17
, TYPE: DNA
, ORGANISM: Homo sapiens
US-09-866-108-8382

```

Query Match	1.0%;	Score 13.8;	DB 1;	Length 17;
Best Local Similarity	88.2%;	Pred. No. 2.2e+02;		
Matches 15;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;
QY	565	ACACTGCTCCAGCAGGC	581	
Db	17	ACTCTGCTCCAGCTGGC	1	

RESULT 111

US-09-866-108-8383/c

Sequence 8383, Application US/09866108

Patent No. US2002004800A1

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: PENN, Sharron G.

APPLICANT: HANZEL, David K.

APPLICANT: RANK, David R.

APPLICANT: CHEN, Wensheng

APPLICANT: SHANNON, Mark

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: ABOMTCA-7

CURRENT APPLICATION NUMBER: US/09/866,108

CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 8383  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-8383

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 564 CACATGCTCCAGCAGG 580  
Db 17 CACTCTGCTCCAGCTGG 1

## RESULT 112

US-09-866-108-10228  
; Sequence 10228, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEWICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752

## Query Match

Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 10228  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-10228

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 253 ACCGACCTCTGGCTG 269  
Db 1 ACCTACCTCTGGCTG 17

## RESULT 113

US-09-866-108-10229  
; Sequence 10229, Application US/09866108  
; Patent No. US20020048800A1  
; GENERAL INFORMATION:  
; APPLICANT: GU, Yizhong  
; APPLICANT: JI, Yonggang  
; APPLICANT: PENN, Sharron G.  
; APPLICANT: HANZEL, David K.  
; APPLICANT: RANK, David R.  
; APPLICANT: CHEN, Wensheng  
; APPLICANT: SHANNON, Mark  
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE  
; FILE REFERENCE: AEWICA-7  
; CURRENT APPLICATION NUMBER: US/09/866,108  
; CURRENT FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/266,860  
; PRIOR FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 15752  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 10229  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-866-108-10229

## Query Match

Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 254 CCGACCTCTGGGCTGG 270  
Db 1 CCTACCTCTTGGCTGG 17

RESULT 114

US-09-864-785-139  
; Sequence 139, Application US/09864785  
; Patent No. US20020177568A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Draper, Ken  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to  
; FILE REFERENCE: 400/022 (MBH00-812-D)  
; CURRENT APPLICATION NUMBER: US/09/864,785  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 3929  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 139  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
US-09-864-785-139

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 76.5%; Pred. No. 2.2e+02;  
Matches 13; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1068 CATGAGGAGGCTCTTC 1084  
Db 1 CAUCAGGAGGAGGCCCCC 17

RESULT 115

US-09-825-805-683  
; Sequence 683, Application US/09825805  
; Publication No. US20030004122A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Beigelman, Leo  
; APPLICANT: Beaudry, Amber  
; APPLICANT: Karpeisky, Alex  
; APPLICANT: Adamic, Jasenka Matulic  
; APPLICANT: Sweedler, Dave  
; APPLICANT: Zinnen, Shawn  
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleotides  
; FILE REFERENCE: MBH00-831-F (400/009)  
; CURRENT APPLICATION NUMBER: US/09/825,805  
; CURRENT FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: 09/578,223  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 09/476,387  
; PRIOR FILING DATE: 1999-12-30  
; PRIOR APPLICATION NUMBER: 09/474,432  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/301,511  
; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 09/186,675  
; PRIOR FILING DATE: 1998-11-04  
; PRIOR APPLICATION NUMBER: 60/083,727  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/064,866  
; PRIOR FILING DATE: 1997-11-05  
; NUMBER OF SEQ ID NOS: 1558  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 683  
; LENGTH: 17

; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-825-805-683

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 517 GCCAACCTGCCGGAGGA 533  
Db 1 GCCAACCGGCCAGAGGA 17

RESULT 116

US-09-818-875-1874/c  
; Sequence 1874, Application US/09818875  
; Publication No. US20030051270A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gampier, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/09/818,875  
; CURRENT FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 1874  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-818-875-1874

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 600 CAGCCTGAAGCTGTACA 616  
Db 17 CAGCATGAGACTGTACA 1

RESULT 117

US-09-818-875-1875  
; Sequence 1875, Application US/09818875  
; Publication No. US20030051270A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gampier, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/09/818,875  
; CURRENT FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385

; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 1875  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-818-875-1875

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 600 CAGCTGAAGCTGACA 616  
|||||  
Db 1 CAGCATGAAGACTGACA 17

## RESULT 118

US-09-848-754A-17/c  
; Sequence 17, Application US/09848754A  
; Publication No. US20030073207A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors  
; FILE REFERENCE: MEHB00-958-I (400/018)  
; CURRENT APPLICATION NUMBER: US/09/848,754A  
; CURRENT FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 9645  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 17  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-848-754A-17

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 629 AGCTCCAGGAGCTGTC 645  
|||||  
Db 17 AGCCCGAGGAGCGCTGC 1

## RESULT 119

US-09-848-754A-645/c  
; Sequence 645, Application US/09848754A  
; Publication No. US20030073207A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors  
; FILE REFERENCE: MEHB00-958-I (400/018)  
; CURRENT APPLICATION NUMBER: US/09/848,754A  
; CURRENT FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 9645  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 645  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-848-754A-645

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 916 CTAAGGAGATGCACA 932  
|||||  
Db 17 CTAAGGAGATTCACA 1

## RESULT 120

US-09-848-754A-881/c  
; Sequence 881, Application US/09848754A  
; Publication No. US20030073207A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Epidermal Growth Factor Receptors  
; FILE REFERENCE: MEHB00-958-I (400/018)  
; CURRENT APPLICATION NUMBER: US/09/848,754A  
; CURRENT FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 9645  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 881  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-848-754A-881

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 628 CAGCTCCAGGAGCTGCTG 644  
|||||  
Db 17 CAGCCCGAGGAGCGCTG 1

## RESULT 121

US-09-930-423-1545  
; Sequence 1545, Application US/09930423  
; Publication No. US20030092003A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: MEHB00,918-A 400/027  
; CURRENT APPLICATION NUMBER: US/09/930,423  
; CURRENT FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 4553  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1545  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo Sapiens  
US-09-930-423-1545

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 2.2e+02;  
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 523 CTGCCCGAGGAGCAGCT 539  
|||||  
Db 1 CGGCCGAGGAGCGAGCU 17

## RESULT 122

US-09-780-164-455/c  
; Sequence 455, Application US/09780164  
; Publication No. US20030092646A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20  
; FILE REFERENCE: 400/010  
; CURRENT APPLICATION NUMBER: US/09/780,164  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/185,516  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 2603  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 455

; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-780-164-455

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 384 TCCAGAGGTGCGAGCAA 400  
Db 17 TCCAGAAATGCGAGCAA 1

## RESULT 123

US-09-827-395A-32  
; Sequence 32, Application US/09827395A  
; Publication No. US20030113891A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Lawrence Blatt  
; APPLICANT: James McSwiggen  
; APPLICANT: Bharat Chowrira  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor  
; FILE REFERENCE: MEHB00-878-C (400/017)  
; CURRENT APPLICATION NUMBER: US/09/827,395A  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 09/780,533  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,797  
; PRIOR FILING DATE: 2000-02-11  
; NUMBER OF SEQ ID NOS: 2617  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 32  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-827-395A-32

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 70.6%; Pred. No. 2.2e+02;  
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 612 TCACACCTTCAGGACC 628  
Db 1 UGACACCUUCGCGACC 17

## RESULT 124

US-09-740-332-799  
; Sequence 799, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740,332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 799  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-740-332-799

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 76.5%; Pred. No. 2.2e+02;

Matches 13; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
QY 957 ACTGCAGGACTGACCCC 973  
Db 1 ACUGCAGGACUGGGCCC 17

## RESULT 125

US-09-745-237A-1545  
; Sequence 1545, Application US/09745237A  
; Publication No. US20030143708A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Blatt, Larry  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease  
; FILE REFERENCE: 400/007 (MEHB00-918-A)  
; CURRENT APPLICATION NUMBER: US/09/745,237A  
; CURRENT FILING DATE: 2002-04-15  
; NUMBER OF SEQ ID NOS: 4550  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1545  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-745-237A-1545

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 82.4%; Pred. No. 2.2e+02;  
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 523 CTGCCGAGGAGCAGCT 539  
Db 1 CGGCCGAGGCGGCGACU 17

## RESULT 126

US-09-792-818-391/c  
; Sequence 391, Application US/09792818  
; Publication No. US20030134806A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Jarvis, Thale  
; APPLICANT: Von Carlowitz, Ira  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Hamblin, Paul  
; APPLICANT: Ellis, Jonathan  
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inse  
; FILE REFERENCE: MEHB00-901-A (400/013)  
; CURRENT APPLICATION NUMBER: US/09/792,818  
; CURRENT FILING DATE: 2001-02-23  
; NUMBER OF SEQ ID NOS: 2304  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 391  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-09-792-818-391

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 295 ATGCTGCTGTGGGGC 311  
Db 17 ATCGCTGCTGTGGGGC 1

## RESULT 127

US-10-046-671B-19  
; Sequence 19, Application US/10046671B  
; Publication No. US20030152592A1

```

; GENERAL INFORMATION:
; APPLICANT: Boot, Hendrik J.
; APPLICANT: Huurme ter, Anna A.H.M
; APPLICANT: Peeters, Bernardus P.H.
; TITLE OF INVENTION: Mosaic Infectious Bursal Disease Virus Vaccines
; FILE REFERENCE: 2183-5238US
; CURRENT APPLICATION NUMBER: US/10/046,671B
; CURRENT FILING DATE: 2002-01-14
; PRIOR APPLICATION NUMBER: PCT/NL00/00493
; PRIOR FILING DATE: 2000-07-13
; PRIOR APPLICATION NUMBER: EP 99202315.8
; PRIOR FILING DATE: 1999-07-14
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 19
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Infectious bursal disease virus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Primer ANC4"
US-10-046-671B-19

```

```

Query Match          1.0%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy 485 GCCGAGACGGTGTGCAG 501
    ||| ||| ||| ||| |||
Db 1 GCCAAGTCGGTGTGCAG 17

```

```

RESULT 129
US-10-238-700-3174
; Sequence 3174, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 3174
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-3174

```

```

Query Match          1.0%; Score 13.8; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 2.2e+02;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy 456 TGTGTCAGCAGCCTGC 472
    :|:|:|:|:|:|:|:|:|
Db 1 UGCGGUCAGCAGCCUCC 17

```

```

RESULT 129
US-10-061-201-1260/c
; Sequence 1260, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201

```

```

; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1260
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1260

```

```

Query Match          1.0%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy 267 CTGGCTGATCAAGAGG 283
    ||| ||| ||| ||| |||
Db 17 CTGGCTGATCAGAGG 1

```

```

RESULT 130
US-10-061-201-1261/c
; Sequence 1261, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1261
; LENGTH: 17
; TYPE: DNA

```

```
; ORGANISM: Homo sapiens
US-10-061-201-1261

Query Match
  1.0%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 266 GCTGGTGATCAAGAG 282
      |||||
Db 17 GCTGGTGATCACAG 1

RESULT 131
US-10-061-201-1262/c
; Sequence 1262, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1262
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1262

Query Match
  1.0%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 264 GGGCTGGTGATCAAG 280
      |||||
Db 17 GGGCTGGTGATCACAG 1

RESULT 133
US-10-061-201-1264/c
; Sequence 1264, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1264
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-1264

Query Match
  1.0%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 265 GCTGGTGATCAAGAG 281
      |||||
Db 17 GCTGGTGATCACAGA 1

RESULT 132
US-10-061-201-1263/c
; Sequence 1263, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
```



Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 263 TGGGCTGGCTGATCAAA 279

Db 17 TGGGCTGGCTGATCA 1

## RESULT 134

US-10-061-201-1266/c  
; Sequence 1266, Application US/10061201  
; Publication No. US20030166229A1  
; GENERAL INFORMATION:  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1  
; FILE REFERENCE: PB0178  
; CURRENT APPLICATION NUMBER: US/10/061,201  
; PRIOR FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/864,761  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/328,205  
; PRIOR FILING DATE: 2001-10-10  
; NUMBER OF SEQ ID NOS: 4162  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 1266  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-061-201-1266

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
Best Local Similarity 88.2%; Pred. No. 2.2e+02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 261 CCTGGGCTGGCTGATCA 277

Db 17 CATGGGCTGGGATCA 1

## RESULT 135

US-09-817-879-799  
; Sequence 799, Application US/09817879  
; Publication No. US20030171311A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: MH800-801-F  
; CURRENT APPLICATION NUMBER: US/09/817,879  
; PRIOR FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9703  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 799  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature

; LOCATION:

; OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-799

## Query Match

Best Local Similarity 1.0%; Score 13.8; DB 1; Length 17;  
Matches 13; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 957 ACTGCAGGACTGACCCC 973

Db 1 ACTGCAGGACUGGGCCC 17

## RESULT 136

US-10-230-006-574  
; Sequence 574, Application US/10230006  
; Publication No. US20030191077A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: Fornaugh, Kathy  
; APPLICANT: McSwigen, Jim  
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDITIONS  
; FILE REFERENCE: 400/056 (MH801-1110)  
; CURRENT APPLICATION NUMBER: US/10/230,006  
; PRIOR FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: US 60/315,315  
; PRIOR FILING DATE: 2001-08-28  
; NUMBER OF SEQ ID NOS: 2678  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 574  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-230-006-574

## Query Match

Best Local Similarity 1.0%; Score 13.8; DB 1; Length 17;  
Matches 13; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 251 GGACCGACCTCTGGGC 267

Db 1 GCACCGCCUCCUGGGC 17

## RESULT 137

US-10-209-787-1874/c  
; Sequence 1874, Application US/10209787  
; Publication No. US20030217377A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.

; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single Stranded Oligonucleotides  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/10/209,787  
; PRIOR FILING DATE: 2002-07-30  
; PRIOR APPLICATION NUMBER: US 09/818,875  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 1874  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens

## US-10-209-787-1874

Query Match  
Best Local Similarity 1.0%; Score 13.8; DB 1; Length 17;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 600 CAGCCTGAAGCCTGACA 616  
| | | | | | | | | | | | | | | | | | |  
Db 17 CAGCATGAAGACTGACA 1

RESULT 138  
US-10-209-787-1875  
; Sequence 1875, Application US/10209787  
; Publication No. US20030217377A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; FILE OF INVENTION: Stranded Oligonucleotides  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/10/209,787  
; CURRENT FILING DATE: 2002-07-30  
; PRIOR APPLICATION NUMBER: US 09/818,975  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 1875  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-209-787-1875

Query Match  
Best Local Similarity 1.0%; Score 13.8; DB 1; Length 17;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 600 CAGCCTGAAGCCTGACA 616  
| | | | | | | | | | | | | | | | | | |  
Db 1 CAGCATGAAGACTGACA 17

RESULT 139  
US-10-163-552-392  
; Sequence 392, Application US/10163552  
; Publication No. US20030105051A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level  
; FILE OF INVENTION: HER2  
; FILE REFERENCE: MBHB01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 1997  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 392  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-163-552-392

Query Match  
Best Local Similarity 1.0%; Score 13.8; DB 1; Length 17;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 517 GCCAACCTGCCGAGGA 533  
| | | | | | | | | | | | | | | | | | |  
Db 1 GCCAACCGCCAGAGGA 17

RESULT 140  
US-10-163-552-969  
; Sequence 969, Application US/10163552  
; Publication No. US20030105051A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to leve  
; FILE OF INVENTION: HER2  
; FILE REFERENCE: MBHB01-1653-A (400/014)  
; CURRENT APPLICATION NUMBER: US/10/163,552  
; CURRENT FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 1997  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 969  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-163-552-969

Query Match  
Best Local Similarity 1.0%; Score 13.8; DB 1; Length 17;  
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 281 AGGAAGCAGCAATG 297  
| | | | | | | | | | | | | | | | | | |  
Db 1 AGGAAGCAACAGCAUG 17

RESULT 141  
US-10-156-306-4868/c  
; Sequence 4868, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat  
; FILE OF INVENTION: Levels of IKK-Gamma and PKR  
; FILE REFERENCE: MBHB01-664-A (400/050)  
; CURRENT APPLICATION NUMBER: US/10/156,306  
; CURRENT FILING DATE: 2002-05-28  
; NUMBER OF SEQ ID NOS: 8013  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4868  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-156-306-4868

Query Match  
Best Local Similarity 1.0%; Score 13.8; DB 1; Length 17;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 782 TCTCCACGAGTCCCTG 798  
| | | | | | | | | | | | | | | | | | |  
Db 17 TCTCCACGAGTTCCTG 1

RESULT 142  
US-10-156-306-6328/c  
; Sequence 6328, Application US/10156306  
; Publication No. US20030119017A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat

; TITLE OF INVENTION: Levels of IKK-Gamma and PKR  
 ; FILE REFERENCE: MBH01-664-A (400/050)  
 ; CURRENT APPLICATION NUMBER: US/10/156,306  
 ; NUMBER OF SEQ ID NOS: 8013  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 6328  
 ; LENGTH: 17  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 ; US-10-156-306-6328

Query Match 1.0%; Score 13.8; DB 1; Length 17;  
 Best Local Similarity 88.2%; Pred. No. 2.2e+02;  
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 784 TCCACGAGTCCCTGCG 800  
 |||||  
 Db 17 TCCACGAGTCCCTGCG 1

RESULT 143  
 US-09-848-585-33/c  
 ; Sequence 33, Application US/09848585  
 ; Patent No. US20020146391A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: LEVITT, Roy Clifford  
 ; APPLICANT: MALOY, W. Lee  
 ; APPLICANT: KARI, U. Prasad  
 ; APPLICANT: NICOLAIDES, Nicholas C.  
 ; TITLE OF INVENTION: Asthma Associated Factors As Targets For Treating Atopic Allergies  
 ; FILE REFERENCE: 36970-5056-12-US  
 ; CURRENT APPLICATION NUMBER: US/09/848,585  
 ; CURRENT FILING DATE: 2001-05-04  
 ; PRIOR APPLICATION NUMBER: US 60/002,765  
 ; PRIOR FILING DATE: 1995-08-24  
 ; PRIOR APPLICATION NUMBER: US 08/697,419  
 ; PRIOR FILING DATE: 1996-08-23  
 ; PRIOR APPLICATION NUMBER: US 08/874,503  
 ; PRIOR FILING DATE: 1997-06-13  
 ; PRIOR APPLICATION NUMBER: US 09/325,571  
 ; PRIOR FILING DATE: 1999-06-04  
 ; NUMBER OF SEQ ID NOS: 44  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 33  
 ; LENGTH: 18  
 ; TYPE: DNA  
 ; ORGANISM: Artificial sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: PCR oligonucleotide primer  
 ; US-09-848-585-33

Query Match 1.0%; Score 13.8; DB 1; Length 18;  
 Best Local Similarity 88.2%; Pred. No. 2.5e+02;  
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 464 GCAGCCTGCGAGGGGAG 480  
 |||||  
 Db 17 GTAGGCTGCGAGGGGAG 1

RESULT 144  
 US-09-961-077-583  
 ; Sequence 583, Application US/09961077  
 ; Publication No. US2003001475A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Zwick, Michael G.  
 ; Edington, Brent E.  
 ; McSwiggen, James A.  
 ; Merlo, Patricia Ann Owens  
 ; Guo, Lining  
 ; Skokut, Thomas A.

; Young, Scott A.  
 ; Folkerts, Otto  
 ; Merlo, Donald J.  
 ; TITLE OF INVENTION: COMPOSITION AND METHODS FOR  
 ; MODULATION OF GENE EXPRESSION  
 ; IN PLANTS

; NUMBER OF SEQUENCES: 1263  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Lyon & Lyon  
 ; STREET: 633 West Fifth Street  
 ; Suite 4700  
 ; CITY: Los Angeles  
 ; STATE: California  
 ; COUNTRY: U.S.A.  
 ; ZIP: 90071-2066  
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0  
 ; SOFTWARE: Word Perfect 5.1  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/961,077  
 ; FILING DATE: 21-Sep-2001  
 ; CLASSIFICATION: <UNKNOWN>

; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/679,645  
 ; FILING DATE: July 12, 1996  
 ; APPLICATION NUMBER: 60/001,135  
 ; FILING DATE: July 13, 1995  
 ; APPLICATION NUMBER: 08/300,726  
 ; FILING DATE: September 2, 1994  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Warburg, Richard J.  
 ; REGISTRATION NUMBER: 32,327  
 ; REFERENCE/DOCKET NUMBER: 219/247  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (213) 489-1600  
 ; TELEFAX: (213) 955-0440  
 ; TELEX: 67-3510  
 ; INFORMATION FOR SEQ ID NO: 583:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 18 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 583:  
 ; US-09-961-077-583

Query Match 1.0%; Score 13.8; DB 1; Length 18;  
 Best Local Similarity 70.6%; Pred. No. 2.5e+02;  
 Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 890 AGCTGCGGTACAGCGTG 906  
 |||||  
 Db 1 AGCUGCGGUCAGCCUG 17

RESULT 145  
 US-09-539-382-14/c  
 ; Sequence 14, Application US/09539382  
 ; Publication No. US2003004417A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: MCCORMICK, Alison  
 ; APPLICANT: TUSE, Daniel  
 ; APPLICANT: REINL, Stephen  
 ; APPLICANT: LINDBO, John  
 ; APPLICANT: TURPEN, Thomas  
 ; TITLE OF INVENTION: SELF ANTIGEN VACCINES FOR TREATING B CELL LYMPHOMAS AND OTHER CAN  
 ; FILE REFERENCE: 18696-169195  
 ; CURRENT APPLICATION NUMBER: US/09/539,382  
 ; CURRENT FILING DATE: 2000-03-10  
 ; PRIOR APPLICATION NUMBER: US 60/155,579

; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 62  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 14  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Unknown  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: ( )...()  
; OTHER INFORMATION: primer  
US-09-539-382-14

Query Match 1.0%; Score 13.8; DB 1; Length 18;  
Best Local Similarity 88.2%; Pred. No. 2.5e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 262 CTGGGCTGGCTGATCAA 278  
|||||  
Db 18 CTGGGCTGGCTGATCAA 2

RESULT 146  
US-10-251-598-193  
; Sequence 193, Application US/10251598  
; Publication No. US20030170668A1  
; GENERAL INFORMATION:  
; APPLICANT: Detera-Wadleigh, Sevilla D.

; Gershon, Elliot S.  
; Badner, Judith A.  
; Goldin, Lynn R.  
; Berrettini, Wade H.  
; Yoshikawa, Takeo  
; Sanders, Alan R.  
; Esterling, Lisa E.  
; TITLE OF INVENTION: Chromosomal Markers and Diagnostic  
; Tests for Manic-Depressive Illness

NUMBER OF SEQUENCES: 197  
CORRESPONDENCE ADDRESS:  
; ADDRESS: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: CA

; COUNTRY: USA  
; ZIP: 94111-3834  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/251,598  
; FILING DATE: 19-Sep-2002  
; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/091,952  
; FILING DATE: 19-Apr-1999  
; APPLICATION NUMBER: US 60/029,278  
; FILING DATE: 28-Oct-1996  
; APPLICATION NUMBER: PCT/US97/19381  
; FILING DATE: 28-Oct-1997

; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith, Timothy L.  
; REFERENCE/DOCKET NUMBER: 015280-297100US

; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; TELEX: <Unknown>

; TELECOMMUNICATION INFORMATION:  
; INFORMATION FOR SEQ ID NO: 193:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid

; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; FEATURE:  
; NAME/KEY: -  
; LOCATION: 1...18  
; OTHER INFORMATION: Clone 47 reverse primer  
; SEQUENCE DESCRIPTION: SEQ ID NO: 193:  
US-10-251-598-193

Query Match 1.0%; Score 13.8; DB 1; Length 18;  
Best Local Similarity 88.2%; Pred. No. 2.5e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1319 GTGCTTTTGTAGATCTT 1335  
|||||  
Db 2 GTGCTTCTGTAGCTCTT 18

RESULT 147

US-10-440-850-1039/c  
; Sequence 1039, Application US/10440850  
; Publication No. US20030207837A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Stinchcomb, Dan  
; APPLICANT: Jarvis, Thale  
; APPLICANT: McSwiggen, Jim  
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reve

; FILE REFERENCE: 250/130 (MEH000-900-A)  
; CURRENT APPLICATION NUMBER: US/09/650,012  
; PRIOR FILING DATE: 2000-08-28  
; PRIOR APPLICATION NUMBER: US 08/585,684  
; PRIOR FILING DATE: 1996-01-12  
; PRIOR APPLICATION NUMBER: US 60/000,951  
; PRIOR FILING DATE: 1995-07-07  
; PRIOR APPLICATION NUMBER: US 09/038,073  
; PRIOR FILING DATE: 1998-03-11  
; NUMBER OF SEQ ID NOS: 2285

; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 1039  
; LENGTH: 18  
; TYPE: RNA  
; ORGANISM: Mus musculus

US-10-440-850-1039

Query Match 1.0%; Score 13.8; DB 1; Length 18;  
Best Local Similarity 88.2%; Pred. No. 2.5e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1157 GGAAGTAAAGCAGCTAA 1173  
|||||  
Db 18 GGAAGCAAGCAGGTAA 2

RESULT 148

US-10-067-790-14/c  
; Sequence 14, Application US/10067790  
; Publication No. US20030035807A1  
; GENERAL INFORMATION:  
; APPLICANT: McCormick, Alison  
; APPLICANT: TUSE, Daniel  
; APPLICANT: REINL, Stephen  
; APPLICANT: LINDBO, John  
; APPLICANT: TURPEN, Thomas

; TITLE OF INVENTION: SELF ANTIGEN VACCINES FOR TREATING B CELL LYMPHOMAS AND OTHER CA  
; FILE REFERENCE: 18696-169194  
; CURRENT APPLICATION NUMBER: US/10/067,790  
; CURRENT FILING DATE: 2002-02-08  
; PRIOR APPLICATION NUMBER: US/09/522,900

;; PRIOR FILING DATE: 2000-03-10  
;; PRIOR APPLICATION NUMBER: US 60/155,579  
;; PRIOR FILING DATE: 1999-09-24  
;; NUMBER OF SEQ ID NOS: 62  
;; SOFTWARE: PatentIn version 3.0  
;; SEQ ID NO 14  
;; LENGTH: 18  
;; TYPE: DNA  
;; ORGANISM: Unknown  
;; FEATURE:  
;; NAME/KEY: misc\_feature  
;; LOCATION: ()..()  
;; OTHER INFORMATION: primer  
US-10-067-790-14

Query Match 1.0%; Score 13.8; DB 1; Length 18;  
Best Local Similarity 88.2%; Pred. No. 2.5e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 262 CTGGCTGCTGATCAA 278  
Db 18 CTGGCTGCTGATCAA 2

## RESULT 149

US-10-067-892-14/c  
;; Sequence 14, Application US/10067892  
;; Publication No. US20030039659A1  
;; GENERAL INFORMATION:  
;; APPLICANT: MCCORMICK, Alison  
;; APPLICANT: TUSE, Daniel  
;; APPLICANT: REINL, Stephen  
;; APPLICANT: LINDBO, John  
;; APPLICANT: TURPEN, Thomas  
;; TITLE OF INVENTION: SELF ANTIGEN VACCINES FOR TREATING B CELL LYMPHOMAS  
;; TITLE OF INVENTION: AND OTHER CANCERS  
;; FILE REFERENCE: 18696-169194  
;; CURRENT APPLICATION NUMBER: US/10/067,892  
;; CURRENT FILING DATE: 2002-02-08  
;; PRIOR APPLICATION NUMBER: US/09/522,900  
;; PRIOR FILING DATE: 2000-03-10  
;; NUMBER OF SEQ ID NOS: 62  
;; SOFTWARE: PatentIn version 3.0  
;; SEQ ID NO 14  
;; LENGTH: 18  
;; TYPE: DNA  
;; ORGANISM: Unknown  
;; FEATURE:  
;; NAME/KEY: misc\_feature  
;; LOCATION: ()..()  
;; OTHER INFORMATION: primer  
US-10-067-892-14

Query Match 1.0%; Score 13.8; DB 1; Length 18;  
Best Local Similarity 88.2%; Pred. No. 2.5e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 262 CTGGCTGCTGATCAA 278  
Db 18 CTGGCTGCTGATCAA 2

## RESULT 150

US-10-146-058-98  
;; Sequence 98, Application US/10146058  
;; Publication No. US20030040499A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Schlingensiepen, Georg-Ferdinand  
;; APPLICANT: Brysch, Wolfgang  
;; APPLICANT: Schlingensiepen, Karl-Hermann  
;; APPLICANT: Schlingensiepen, Reinmar  
;; APPLICANT: Bogdahn, Ulrich  
;; TITLE OF INVENTION: Antisense-oligonucleotides for the treatment of

;; TITLE OF INVENTION: immuno-suppressive effect of transforming-growth-factor beta  
;; NUMBER OF SEQUENCES: 137  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Jacobson, Price, Holman & Stern  
;; STREET: 400 Seventh St. N.W.  
;; CITY: Washington D.C  
;; COUNTRY: U.S.A.  
;; ZIP: 20004

;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC Compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/10/146,058  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/535,249

;; FILING DATE:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/535,249

;; FILING DATE:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP 93 107 089.0  
;; FILING DATE: 30-APR-1993

;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP 93 107 849.7  
;; FILING DATE: 13-MAY-1993

;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Player, William E.  
;; REGISTRATION NUMBER: 31,409  
;; REFERENCE/DOCKET NUMBER: 10577/P58418  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (202)638-6666  
;; TELEFAX: (202) 393-5350

;; INFORMATION FOR SEQ ID NO: 98:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 18 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: unknown  
;; TOPOLOGY: unknown

;; MOLECULE TYPE: DNA (genomic)  
;; ANTI-SENSE: YES  
US-10-146-058-98

Query Match 1.0%; Score 13.8; DB 1; Length 18;  
Best Local Similarity 88.2%; Pred. No. 2.5e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1018 AGATGGTCCAAAGTGC 1034  
Db 2 AGATGGTACAAAGTGC 18

## RESULT 151

US-10-067-893-14/c  
;; Sequence 14, Application US/10067893  
;; Publication No. US20030044420A1  
;; GENERAL INFORMATION:  
;; APPLICANT: MCCORMICK, Alison  
;; APPLICANT: TUSE, Daniel  
;; APPLICANT: REINL, Stephen  
;; APPLICANT: LINDBO, John  
;; APPLICANT: TURPEN, Thomas  
;; TITLE OF INVENTION: SELF ANTIGEN VACCINES FOR TREATING B CELL LYMPHOMAS AND OTHER CA  
;; FILE REFERENCE: 18696-169194  
;; CURRENT APPLICATION NUMBER: US/10/067,893  
;; CURRENT FILING DATE: 2002-02-08  
;; PRIOR APPLICATION NUMBER: 09/522,900  
;; PRIOR FILING DATE: 2000-03-10  
;; PRIOR APPLICATION NUMBER: US 60/155,579  
;; PRIOR FILING DATE: 1999-09-24  
;; NUMBER OF SEQ ID NOS: 62  
;; SOFTWARE: PatentIn version 3.0

```
; SEQ ID NO 14
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Unknown
; NAME/KEY: misc feature
; LOCATION: (..)
; OTHER INFORMATION: primer
US-10-067-893-14

Query Match          1.0%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 2.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 262 CTGGGCTGGCTGATCAA 278
||| ||||| ||||| |||||
Db 18 CTGGGCTGGCTGATCAA 2

RESULT 152
US-09-726-774-106/c
; Sequence 106, Application US/09726774
; Patent No. US20020082226A1
; GENERAL INFORMATION:
; APPLICANT: Iversen, Patrick L.
; TITLE OF INVENTION: Antisense Antibacterial Method and
; FILE REFERENCE: 0450-0032.30
; CURRENT APPLICATION NUMBER: US/09/726,774
; PRIOR FILING DATE: 2000-11-29
; PRIOR FILING DATE: 1999-11-29
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 106
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense oligomer
US-09-726-774-106

Query Match          1.0%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 2.8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 685 TTTGGAGCCAGCGGCC 701
||| ||||| ||||| |||||
Db 17 TTTGGAGCCAGCGGCC 1

RESULT 153
US-09-996-263-33/c
; Sequence 33, Application US/09996263
; Publication No. US20030004325A1
; GENERAL INFORMATION:
; APPLICANT: Phillip Dan Cook
; Andrew Kawasaki
; TITLE OF INVENTION: Sugar Modified Oligonucleotides
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESSES:
; ADDRESS: Woodcock Washburn Kurtz Mackiewicz and No. US20030004325A1rlis
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch disk, 720 Kb
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
```

```
; APPLICATION NUMBER: US/09/996,263
; FILING DATE: 28-NO. US20030004325A1-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/471,973
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Joseph Lucci
; REGISTRATION NUMBER: 33,307
; REFERENCE/DOCKET NUMBER: ISIS-2005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-996-263-33

Query Match          1.0%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 2.8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1141 GCCCTTTTCTTTTGTG 1157
||| ||||| ||||| |||||
Db 19 CGCTTTTCTTTTGTG 3

RESULT 154
US-09-370-541-4/c
; Sequence 4, Application US/09370541
; Publication No. US20030088079A1
; GENERAL INFORMATION:
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip Dan
; APPLICANT: Prakash, Thazha P
; APPLICANT: Kawasaki, Andrew M
; TITLE OF INVENTION: Aminoxy-Modified Nucleosidic Compounds And Oligomeric
; FILE REFERENCE: ISIS3993
; CURRENT APPLICATION NUMBER: US/09/370,541
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: 09/130,973
; EARLIER FILING DATE: 1998-08-07
; EARLIER APPLICATION NUMBER: 09/016,520
; EARLIER FILING DATE: 1998-01-30
; EARLIER APPLICATION NUMBER: 60/037,143
; EARLIER FILING DATE: 1997-02-14
; EARLIER APPLICATION NUMBER: 09/344,260
; EARLIER FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: antisense
; OTHER INFORMATION: sequence
US-09-370-541-4

Query Match          1.0%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 2.8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1141 GCCCTTTTCTTTTGTG 1157
||| ||||| ||||| |||||
Db 19 CGCTTTTCTTTTGTG 3
```

## RESULT 155

US-10-313-739-21/c  
; Sequence 21, Application US/10313739  
; Publication No. US20030138948A1  
; GENERAL INFORMATION:  
; APPLICANT: Geron Corporation  
; APPLICANT: Fisk, Gregory  
; APPLICANT: Inokuma, Margaret  
; TITLE OF INVENTION: Islet Cells from Human Embryonic Stem Cells  
; FILE REFERENCE: 132/002  
; CURRENT APPLICATION NUMBER: US/10/313,739  
; CURRENT FILING DATE: 2003-04-07  
; PRIOR APPLICATION NUMBER: 60/338,885  
; PRIOR FILING DATE: 2001-12-07  
; NUMBER OF SEQ ID NOS: 45  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 21  
; LENGTH: 19  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-313-739-21

Query Match 1.0%; Score 13.8; DB 1; Length 19;  
Best Local Similarity 88.2%; Pred. No. 2.8e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 540 GGGTGGCCCTGGTGGCAG 556

Db 19 GGGTGGCCCGATGGCAG 3

## RESULT 156

US-10-225-023-45  
; Sequence 45, Application US/10225023  
; Publication No. US20030175950A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using  
; FILE REFERENCE: 400/054 (MBH01-665-B)  
; CURRENT APPLICATION NUMBER: US/10/225,023  
; CURRENT FILING DATE: 2003-01-06  
; PRIOR APPLICATION NUMBER: US 60/398,036  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: US 60/294,140  
; PRIOR FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: US 10/157,580  
; PRIOR FILING DATE: 2002-05-29  
; NUMBER OF SEQ ID NOS: 1494  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 45  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense  
US-10-225-023-45

Query Match 1.0%; Score 13.8; DB 1; Length 19;  
Best Local Similarity 82.4%; Pred. No. 2.8e+02;  
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 274 ATCAAGAGGAGCAGC 290

Db 3 AUCAAGAGGAGCUGC 19

## RESULT 157

US-10-225-023-783/c  
; Sequence 783, Application US/10225023  
; Publication No. US20030175950A1  
; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using  
; FILE REFERENCE: 400/054 (MBH01-665-B)  
; CURRENT APPLICATION NUMBER: US/10/225,023  
; CURRENT FILING DATE: 2003-01-06  
; PRIOR APPLICATION NUMBER: US 60/398,036  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: US 60/294,140  
; PRIOR FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: US 10/157,580  
; PRIOR FILING DATE: 2002-05-29  
; NUMBER OF SEQ ID NOS: 1494  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 783  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
US-10-225-023-783

Query Match 1.0%; Score 13.8; DB 1; Length 19;  
Best Local Similarity 88.2%; Pred. No. 2.8e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 274 ATCAAGAGGAGCAGC 290

Db 17 ATCAATGAGGAGCTGC 1

## RESULT 158

US-10-180-781-29/c  
; Sequence 29, Application US/10180781  
; Publication No. US20030180880A1  
; GENERAL INFORMATION:  
; APPLICANT: Tanzi, Rudolph E.  
; APPLICANT: Schellenberg, Gerard D.  
; APPLICANT: Masco, Wilma  
; APPLICANT: Levy-Lahad, Ephrat  
; APPLICANT: Bird, Thomas D.  
; APPLICANT: Galas, David J.  
; TITLE OF INVENTION: CHROMOSOME 1 GENE AND GENE PRODUCTS RELATED TO  
; NUMBER OF SEQUENCES: 88  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Seed Intellectual Property Law Group PLLC  
; STREET: 701 Fifth Ave, Suite 6300  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104-7092  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/180,781  
; FILING DATE: 24-Jun-2002  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Potter, Jane E. R.  
; REGISTRATION NUMBER: 33,332  
; REFERENCE/DOCKET NUMBER: 920010.571C2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; INFORMATION FOR SEQ ID NO: 29:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 19 base pairs  
; TYPE: nucleic acid

```

; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-10-180-781-29
    Query Match      1.0%; Score 13.8; DB 1; Length 19;
    Best Local Similarity 88.2%; Pred. No. 2.8e+02;
    Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 581 CCCTCCGCTGCCCCC 597
Db 17 CTCCTCGTGTGCCAC 1

RESULT 159
US-10-180-781-43/c
; Sequence 43, Application US/10180781
; Publication No. US20030180880A1
; GENERAL INFORMATION:
; APPLICANT: Tanzi, Rudolph E.
; Schellenberg, Gerard D.
; Wasco, Wilma
; Levy-Lahad, Ephrat
; Bird, Thomas D.
; Galas, David J.
; TITLE OF INVENTION: CHROMOSOME 1 GENE AND GENE PRODUCTS RELATED TO
; ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group PLLC
; STREET: 701 Fifth Ave, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/180,781
; FILING DATE: 24-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 920010.571C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 43:
US-10-180-781-43
    Query Match      1.0%; Score 13.8; DB 1; Length 19;
    Best Local Similarity 88.2%; Pred. No. 2.8e+02;
    Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 581 CCCTCCGCTGCCCCC 597
Db 17 CTCCTCGTGTGCCAC 1

RESULT 160
US-10-839-3053/c
; Sequence 3053, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
; APPLICANT: Third Wave Technologies
; Allawi, Hatim
; APPLICANT: Argue, Brad T.
; APPLICANT: Bartholomay, Christian T.
; APPLICANT: Chehak, LuAnne
; APPLICANT: Curtis, Michelle L.
; APPLICANT: Eis, Peggy S.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Ip, Hon S.
; APPLICANT: Ji, Lin
; APPLICANT: Kaiser, Michael
; APPLICANT: Kwiatkowski, Jr., Robert W.
; APPLICANT: Lukowiak, Andrew A.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Lymaicheva, Natalie E.
; APPLICANT: Ma, WuPo
; APPLICANT: Neri, Bruce P.
; APPLICANT: Olson, Sarah M.
; APPLICANT: Olson-Munoz, Marilyn C.
; APPLICANT: Schaefer, James J.
; APPLICANT: Skrzypczynski, Zbigniew
; APPLICANT: Takova, Tsetska Y.
; APPLICANT: Thompson, Lisa C.
; APPLICANT: Vedvik, Kevin L.
; TITLE OF INVENTION: RNA Detection Assays
; FILE REFERENCE: FORS-06666
; CURRENT APPLICATION NUMBER: US/10/084,839
; CURRENT FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 4004
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3053
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-084-839-3053
    Query Match      1.0%; Score 13.8; DB 1; Length 19;
    Best Local Similarity 88.2%; Pred. No. 2.8e+02;
    Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 380 TTCCTCCAGAGGTGCCA 396
Db 19 TTCCTCAAGAGGTGCCA 3

RESULT 161
US-10-352-586-33/c
; Sequence 33, Application US/10352586
; Publication No. US20030187240A1
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip Dan
; APPLICANT: Kawasaki, Andrew
; TITLE OF INVENTION: 2'-Modified Oligonucleotides
; FILE REFERENCE: ISIS137
; CURRENT APPLICATION NUMBER: US/10/352,586
; CURRENT FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: 09/389,283
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 33
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
US-10-352-586-33
    Query Match      1.0%; Score 13.8; DB 1; Length 19;
    Best Local Similarity 88.2%; Pred. No. 2.8e+02;

```



Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY            1141 GCCCTTTTTCCTTTTG 1157  
               || | | | | | | |  
Db            19 GCGTTTTTTTCTTTTTCG 3

RESULT 162

US-10-205-309-35 ; Sequence 35, Application US/1020309  
; Publication No. US20030190635A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

```

; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Using
; TITLE OF INVENTION: Interfering RNA
; FILE REFERENCE: 900/033
; CURRENT APPLICATION NUMBER: US/10/205,309
; CURRENT FILING DATE: 2002-10-25
; NUMBER OF SEQ ID NOS: 674
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 35
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; /
; / OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siRNA sense r
US-10-205-309-35

```

RESULT 163

US-10-205-309-81 ; Sequence 81, Application US/10205309  
; Publication No. US20030190635A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

[illegible]

RESULT 164

US-10-205-309-360/c  
; Sequence 360, Application US/10205309  
; Publication No. US20030190635A1

```

: GENERAL INFORMATION:
: APPLICANT: Ribozyme Pharmaceuticals, Inc.
: APPLICANT: MCSwigen, James
: TITLE OF INVENTION: RNA Interference Medi
: TITLE OF INVENTION: Interfering RNA
: FILE REFERENCE: 900/033
: CURRENT APPLICATION NUMBER: US/10/205,309
: CURRENT FILING DATE: 2002-10-25
: NUMBER OF SEQ ID NOS: 674
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 360
: LENGTH: 19
: TYPE: RNA
: ORGANISM: Artificial Sequence
: FEATURE:

```

US-10-205-309-360  
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

Query Match 1.0%; Score 13.8; DB 1; Length 19;  
Best Local Similarity 88.2%; Pred. No. 2.8e+02;  
Matches 15; Conservative 0; Mismatches 2; Indels

## RESULT 165

US-10-205-309-406/c  
; Sequence 406, Application US/10205309  
; Publication No. US20030190635A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

```

1  ; APPLICANT: McSwiggan, James
2  ; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease
3  ; TITLE OF INVENTION: Interfering RNA
4  ; FILE REFERENCE: 900/033
5  ; CURRENT APPLICATION NUMBER: US/10/205,309
6  ; CURRENT FILING DATE: 2002-10-25
7  ; NUMBER OF SEQ ID NOS: 674
8  ; SOFTWARE: PatentIn version 3.0
9  ; SEQ ID NO 406
10 ; LENGTH: 19
11 ; TYPE: RNA
12 ; ORGANISM: Artificial Sequence
13 ; FEATURE:
14 ; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
15 US-10-205-309-406

```

RESULT 166

US-10-307-928A-36/c  
; Sequence 36, Application US/10307928A  
; Publication No. US20030229016A1

GENERAL INFORMATION:

APPLICANT: Alsbrook, John P.

APPLICANT: Anderson, David W.

APPLICANT: Boldos, Ferenc L.

APPLICANT: Burgess, Catherine E.

APPLICANT: Catterton, Elina

APPLICANT: Edinger, Shlomit R.

APPLICANT: Gorman, Linda

APPLICANT: Guo, Xiaojia (Sasha)

APPLICANT: Ji, Weizhen

APPLICANT: Kekuda, Ramesh

APPLICANT: Li, Li  
APPLICANT: Patturajan, Meera  
APPLICANT: Rieger, Daniel K.  
APPLICANT: Shenoy, Suresh G.  
APPLICANT: Spytek, Kimberly A.  
APPLICANT: Vernet, Corine A.M.  
APPLICANT: Voss, Edward Z.  
APPLICANT: Zhong, Mei  
TITLE OF INVENTION: NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS  
FILE REFERENCE: 24102-502D  
CURRENT APPLICATION NUMBER: US/10/307,928A  
CURRENT FILING DATE: 2002-12-02  
PRIOR FILING DATE: 60/341,477  
PRIOR APPLICATION NUMBER: 60/341,540  
PRIOR FILING DATE: 2001-12-17  
PRIOR APPLICATION NUMBER: 60/342,532  
PRIOR FILING DATE: 2001-12-20  
PRIOR APPLICATION NUMBER: 60/344,903  
PRIOR FILING DATE: 2001-12-31  
PRIOR APPLICATION NUMBER: 60/373,288  
PRIOR FILING DATE: 2002-04-17  
PRIOR APPLICATION NUMBER: 60/380,981  
PRIOR FILING DATE: 2002-05-15  
PRIOR APPLICATION NUMBER: 60/381,495  
PRIOR FILING DATE: 2002-05-17  
PRIOR APPLICATION NUMBER: 60/383,744  
PRIOR FILING DATE: 2002-05-28  
PRIOR APPLICATION NUMBER: 60/384,024  
PRIOR FILING DATE: 2002-05-29  
PRIOR APPLICATION NUMBER: 60/401,788  
PRIOR FILING DATE: 2002-08-07  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 53  
SOFTWARE: Curaseq version 0.1  
SEQ ID NO 36  
LENGTH: 16  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Primer/Probe  
US-10-307-928A-36

Query Match 1.0%; Score 13.4; DB 1; Length 16;  
Best Local Similarity 93.3%; Pred. No. 2.4e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 715 GTGGCCCGACGACG 729  
Db 15 GTGGCCCTGCACGAG 1

## RESULT 167

US-09-989-722-493  
Sequence 493, Application US/09989722  
Patent No. US20020072067A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.

APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas P.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1G63  
CURRENT APPLICATION NUMBER: US/09/989,722  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742

PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090690  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090694  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090696  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090862  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091478  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091544  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091626  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGACGCTCTTG 508  
Db 1 GTGGGACGCTCTTG 15

RESULT 168  
US-09-989-723-493  
Sequence 493, Application US/09989723  
Patent No. US20020072092A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C62  
; CURRENT APPLICATION NUMBER: US/09/989,723  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/087106  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087607  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087827  
; PRIOR FILING DATE: 1998-06-03  
; PRIOR APPLICATION NUMBER: 60/088021  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088025  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088026  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088028  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088029  
; PRIOR FILING DATE: 1998-06-04  
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Query Match 1.0%; Score 13.4; DB 1; Length 17;

Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGAGGCTCTGTG 508  
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RESULT 169

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 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
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 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730P1C56  
 ; CURRENT APPLICATION NUMBER: US/09/989,279  
 ; CURRENT FILING DATE: 2001-11-19

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; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
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; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C65  
; CURRENT APPLICATION NUMBER: US/09/989,727  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
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Query Match 1.0%; Score 13.4; DB 1; Length 17;  
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 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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 ; Patent No. US20020103125A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zenin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730P1C70  
 ; CURRENT APPLICATION NUMBER: US/09/989,731  
 ; CURRENT FILING DATE: 2001-11-20  
 ; PRIOR APPLICATION NUMBER: 60/049787  
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 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
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 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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# RESULT 172

US-09-989-732-493  
 ; Sequence 493, Application US/09989732  
 ; Patent No. US20020121463A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
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 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
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 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730P1C57  
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; Patent No. US20020127576A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
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; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C15
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Query Match 1.0% Score 13.4; DB 1; Length 17;  
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Db 1 GTGGCAGCGCTCTTG 15  
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 US-09-990-442-493  
 ; Sequence 493, Application US/09990442  
 ; Patent No. US20020132252A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
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 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
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 APPLICANT: Zhang, Zemin  
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; APPLICANT: Ashkenazi, Avi J.
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73 PRIOR FILING DATE: 1998-06-24

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40 PRIOR FILING DATE: 1998-07-02  
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42 PRIOR FILING DATE: 1998-07-07  
43 PRIOR APPLICATION NUMBER: 60/091982  
44 PRIOR FILING DATE: 1998-07-07  
45 PRIOR APPLICATION NUMBER: 60/092182  
46 PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGACGCTCTTG 508  
Db 1 GTGTGACGCTCTTG 15

RESULT 177  
US-09-990-456-493  
Sequence 493, Application US/09990456  
Patent No. US20020137890A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher



APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730PIC22  
CURRENT APPLICATION NUMBER: US/09/990,456  
CURRENT FILING DATE: 2001-11-14  
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PRIOR FILING DATE: 1997-06-16  
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Query Match 1.0%; Score 13.4; DB 1; Length 17;  
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 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTCAGCGCTTGTG 508  
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 Db 1 GTGGGACGCTTGTG 15

RESULT 178  
 US-09-989-721-493  
 ; Sequence 493, Application US/09989721  
 ; Patent No. US20020142961A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kijavini, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; TITLE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P2730PIC55  
 ; CURRENT APPLICATION NUMBER: US/09/989,721  
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 ; PRIOR APPLICATION NUMBER: 60/092182  
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Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGGCAGCGTCTTG 508  
 DB 1 GTGGCAGCGTCTTG 15

RESULT 179  
 US-09-992-598-493  
 ; Sequence 493, Application US/0992598  
 ; Patent No. US20020160384A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
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 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; TITLE OF INVENTION: Acids Encoding the Same

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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match          1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGCGCGCTCTTG 508
Db 1 GTGGGCGCGCTCTTG 15

RESULT 180
US-09-989-293A-493
; Sequence 493, Application US/09989293A
; Patent No. US20020177164A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C66
; CURRENT APPLICATION NUMBER: US/09/989,293A
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/045787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/091360  
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; PRIOR FILING DATE: 1998-07-07  
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; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGCAGCGCTCTTG 508  
Db 1 GGGGACGCGTCTTG 15

## RESULT 181

US-09-989-735-493  
; Sequence 493, Application US/0989735  
; Publication No. US20020193299A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C61  
; CURRENT APPLICATION NUMBER: US/09/989,735  
; CURRENT FILING DATE: 2001-11-19  
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; PRIOR FILING DATE: 1997-10-17  
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; PRIOR FILING DATE: 1997-11-13  
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; PRIOR FILING DATE: 1997-11-24  
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6 PRIOR APPLICATION NUMBER: 60/091978  
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8 PRIOR APPLICATION NUMBER: 60/091982  
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10 PRIOR APPLICATION NUMBER: 60/092182  
11 PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred.No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGACGGCTCTTG 508  
DB 1 GTGGGACGGCTCTTG 15

## RESULT 182

US-09-990-444-493  
Sequence 493, Application US/09990444  
Publication No. US20020193300A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavini, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC19  
CURRENT APPLICATION NUMBER: US/09/990,444  
CURRENT FILING DATE: 2001-11-14  
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PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
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PRIOR FILING DATE: 1997-11-12  
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PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
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;; PRIOR FILING DATE: 1998-06-17  
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;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e-02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGCACGCTTTG 508  
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Db 1 GTGGCAGCGCTTTG 15

## RESULT 183

US-09-991-181-493  
; Sequence 493, Application US/09991181  
; Publication No. US20020197615A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC53  
; CURRENT APPLICATION NUMBER: US/09/991,181  
; CURRENT FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
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; PRIOR FILING DATE: 1997-11-13  
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; PRIOR FILING DATE: 1998-05-28  
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; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759

,	PRIOR FILING DATE:	1998-06-02
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,	PRIOR FILING DATE:	1998-06-03
,	PRIOR APPLICATION NUMBER:	60/088021
,	PRIOR FILING DATE:	1998-06-04
,	PRIOR APPLICATION NUMBER:	60/088025
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,	PRIOR FILING DATE:	1998-06-04
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,	PRIOR APPLICATION NUMBER:	60/089653
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,	PRIOR APPLICATION NUMBER:	60/089801
,	PRIOR FILING DATE:	1998-06-18
,	PRIOR APPLICATION NUMBER:	60/089907
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,	PRIOR APPLICATION NUMBER:	60/089908
,	PRIOR FILING DATE:	1998-06-18

1	;	PRIOR APPLICATION NUMBER:	60/089947
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3	;	PRIOR APPLICATION NUMBER:	60/089948
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5	;	PRIOR APPLICATION NUMBER:	60/089952
6	;	PRIOR FILING DATE:	1998-06-19
7	;	PRIOR APPLICATION NUMBER:	60/090246
8	;	PRIOR FILING DATE:	1998-06-22
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55	;	PRIOR APPLICATION NUMBER:	60/091626
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61	;	PRIOR APPLICATION NUMBER:	60/091982
62	;	PRIOR FILING DATE:	1998-07-07
63	;	PRIOR APPLICATION NUMBER:	60/092182
64	;	PRIOR FILING DATE:	1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;

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Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 494 GTGTGCAGCGTCTTG 508
Db ||| ||| ||| ||| |||
1 GTGGGCAGCGTCTTG 15

RESULT 184
US-09-989-730-493
; Sequence 493, Application US/09989730
; Publication No. US20020197674A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC69
; CURRENT APPLICATION NUMBER: US/09/989,730
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
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RESULT 185  
US-09-990-436-493  
; Sequence 493, Application US/09990436  
; Publication No. US20020198148A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC14  
; CURRENT APPLICATION NUMBER: US/09/990,436  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
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; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088030

Query Match  
Best Local Similarity 93.3%; Score 13.4; DB 1; Length 17;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGACGCTTTG 508  
DB 1 GTGGGACGCTTTG 15

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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGCACGCTCTTG 508
DB 1 GTGGCAGCGTCTTG 15
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RESULT 186
US-09-993-687-493
; Sequence 493, Application US/09993687
; Publication No. US20020198149A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
```

APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C11  
CURRENT APPLICATION NUMBER: US/09/993,687  
CURRENT FILING DATE: 2002-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
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; PRIOR FILING DATE: 1998-06-24  
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 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGACGCTTGTG 508  
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RESULT 187

US-09-989-734-493  
 ; Sequence 493, Application US/09989734  
 ; Publication No. US20030003531A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan I.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730PIC64  
 ; CURRENT APPLICATION NUMBER: US/09/989,734  
 ; CURRENT FILING DATE: 2001-11-19  
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; PRIOR FILING DATE: 1998-06-09  
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; PRIOR APPLICATION NUMBER: 60/091978  
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; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGCAGCGTCTTG 508  
Db 1 GTGGCAGCGTCTTG 15

RESULT 188  
US-09-997-653-493  
; Sequence 493, Application US/09997653  
; Publication No. US2003008297A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James



APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC38  
CURRENT FILING DATE: 2003-11-15  
PRIORITY APPLICATION NUMBER: US/09/997,653  
PRIORITY FILING DATE: 1997-06-16  
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PRIORITY APPLICATION NUMBER: 60/090542  
PRIORITY FILING DATE: 1998-06-24  
PRIORITY APPLICATION NUMBER: 60/090557

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16 PRIOR APPLICATION NUMBER: 60/090863  
17 PRIOR FILING DATE: 1998-06-26  
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25 PRIOR FILING DATE: 1998-07-02  
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27 PRIOR FILING DATE: 1998-07-02  
28 PRIOR APPLICATION NUMBER: 60/091633  
29 PRIOR FILING DATE: 1998-07-02  
30 PRIOR APPLICATION NUMBER: 60/091978  
31 PRIOR FILING DATE: 1998-07-07  
32 PRIOR APPLICATION NUMBER: 60/091982  
33 PRIOR FILING DATE: 1998-07-07  
34 PRIOR APPLICATION NUMBER: 60/092182  
35 PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;

Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 494 GTGTGAGCGTCTTG 508  
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Db 1 GTGGGAGCGTCTTG 15

## RESULT 189

US-09-993-667-493  
Sequence 493, Application US/09993667  
Publication No. US20030022187A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnovers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C4  
CURRENT APPLICATION NUMBER: US/09/993,667  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
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 ; PRIOR APPLICATION NUMBER: 60/091982  
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 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGACGCGTCTTG 508  
 Db 1 GTGGCAGCGTCTTG 15

RESULT 190  
 US-09-997-428-493  
 ; Sequence 493, Application US/09997428  
 ; Publication No. US20030027162A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tamas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P2730PIC44  
 ; CURRENT APPLICATION NUMBER: US/09/997,428  
 ; CURRENT FILING DATE: 2001-11-15  
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 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.08; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGCGAGCGTCTTG 508  
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 Db 1 GTGGGCGAGCGTCTTG 15

## RESULT 191

US-09-997-666-493  
 ; Sequence 493, Application US/09997666  
 ; Publication No. US20030027163A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
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 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P27301C42  
 ; CURRENT APPLICATION NUMBER: US/09/997,666  
 ; CURRENT FILING DATE: 2001-11-15  
 ; PRIOR APPLICATION NUMBER: 60/049787  
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; PRIOR FILING DATE: 1998-06-17  
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; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
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; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGCAGCGTCTTG 508  
Db 1 GTGTGCAGCGTCTTG 15  
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## RESULT 192

US-09-990-438-493  
; Sequence 493, Application US/09990438  
; Publication No. US20030027754A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: KJavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C3  
; CURRENT APPLICATION NUMBER: US/09/990,438  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
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; PRIOR APPLICATION NUMBER: 60/066770  
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; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
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; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322

[illegible]

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; PRIOR FILING DATE: 1998-07-02
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match          1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e-02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      494 GTGTGACGCGTCTTG 508
Db      1 GTGGGACGCGTCTTG 15

RESULT 193
US-09-990-562-493
; Sequence 493, Application US/09990562
; Publication No. US20030027985A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavić, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C18
; CURRENT APPLICATION NUMBER: US/09/990,562
; CURRENT FILING DATE: 2001-11-14
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; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGAGCGCTCTTG 508  
Db 1 GTGGGAGCGCTCTTG 15  
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## RESULT 194

US-09-990-711-493  
; Sequence 493, Application US/09990711  
; Publication No. US2003003203A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C2  
; CURRENT APPLICATION NUMBER: US/09/990,711  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
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; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
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; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087827  
; PRIOR FILING DATE: 1998-06-03  
; PRIOR APPLICATION NUMBER: 60/088021



Db 1 GTGGCAGCGTCTTG 15

## RESULT 195

US-09-989-726-493  
; Sequence 493, Application US/09989726  
; Publication No. US20030040473A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C60  
; CURRENT APPLICATION NUMBER: US/09/989,726  
; PRIOR FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
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; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
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; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;

Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 1 GTGGCAGCGCTTGTG 15

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; Publication No. US20030049638A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
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; APPLICANT: Gerber, Hanspeter  
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; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.

;; APPLICANT: Kljavin, Ivar J.  
;; APPLICANT: Napier, Mary A.  
;; APPLICANT: Pan, James  
;; APPLICANT: Paoni, Nicholas F.  
;; APPLICANT: Roy, Margaret Ann  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730P1C51  
;; CURRENT APPLICATION NUMBER: US/09/991,157  
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QY 494 GTGGTGCAGCGTCTTG 508  
 DB 1 GTGGTGCAGCGTCTTG 15

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 ; Publication No. US20030049681A1  
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 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
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 ; APPLICANT: Goddard, Audrey J.  
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 ; APPLICANT: Tumas, Daniel



APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
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Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGCACGCTCTTG 508
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RESULT 200
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; Publication No. US20030049682A1
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; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deanoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrata, Napoleone
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; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; ACIDS ENCODING THE SAME
; FILE REFERENCE: P2730P1C45
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5 PRIOR APPLICATION NUMBER: 60/090863  
6 PRIOR FILING DATE: 1998-06-26  
7 PRIOR APPLICATION NUMBER: 60/091360  
8 PRIOR FILING DATE: 1998-07-01  
9 PRIOR APPLICATION NUMBER: 60/091478  
10 PRIOR FILING DATE: 1998-07-02  
11 PRIOR APPLICATION NUMBER: 60/091544  
12 PRIOR FILING DATE: 1998-07-01  
13 PRIOR APPLICATION NUMBER: 60/091519  
14 PRIOR FILING DATE: 1998-07-02  
15 PRIOR APPLICATION NUMBER: 60/091626  
16 PRIOR FILING DATE: 1998-07-02  
17 PRIOR APPLICATION NUMBER: 60/091633  
18 PRIOR FILING DATE: 1998-07-02  
19 PRIOR APPLICATION NUMBER: 60/091978  
20 PRIOR FILING DATE: 1998-07-07  
21 PRIOR APPLICATION NUMBER: 60/091982  
22 PRIOR FILING DATE: 1998-07-07  
23 PRIOR APPLICATION NUMBER: 60/092182  
24 PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGACGCGTCTTG 508  
||| |||||  
Db 1 GTGGGACGCGTCTTG 15

## RESULT 201

US-09-991-172-493  
; Sequence 493, Application US/09991172  
; Publication No. US20030050457A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Deanoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C50  
; CURRENT APPLICATION NUMBER: US/09/991,172  
; CURRENT FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525
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; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091478  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091544  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091626  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGCGGCTCTTG 508  
|||||  
Db 1 GTGGGCGGCTCTTG 15

## RESULT 202

US-09-818-875-35  
; Sequence 35, Application US/09818875  
; Publication No. US20030051270A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; TITLE OF INVENTION: Stranded Oligonucleotides  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/09/818,875  
; CURRENT FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 35  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-818-875-35

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 888 GGAGCTCGGTACAG 902  
|||||  
Db 1 GGAGGTCGGGTACAG 15

## RESULT 203

US-09-818-875-36/c  
; Sequence 36, Application US/09818875  
; Publication No. US20030051270A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.

; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; TITLE OF INVENTION: Stranded Oligonucleotides  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/09/818,875  
; CURRENT FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 36  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-818-875-36

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 888 GGAGCTCGGTACAG 902  
|||||  
Db 17 GGAGGTCGGGTACAG 3

## RESULT 204

US-09-818-875-39  
; Sequence 39, Application US/09818875  
; Publication No. US20030051270A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.  
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single  
; TITLE OF INVENTION: Stranded Oligonucleotides  
; FILE REFERENCE: Napro-4  
; CURRENT APPLICATION NUMBER: US/09/818,875  
; CURRENT FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,176  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,179  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/208,538  
; PRIOR FILING DATE: 2000-06-01  
; PRIOR APPLICATION NUMBER: US 60/244,989  
; PRIOR FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 4385  
; SOFTWARE: Friedman macro Napro4  
; SEQ ID NO 39  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-818-875-39

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 888 GGAGCTCGGTACAG 902  
|||||  
Db 1 GGAGGTCGGGTACAG 15

## RESULT 205

US-09-818-875-40/c  
; Sequence 40, Application US/09818875  
; Publication No. US20030051270A1  
; GENERAL INFORMATION:  
; APPLICANT: Kmiec, Eric B.  
; APPLICANT: Gamper, Howard B.  
; APPLICANT: Rice, Michael C.

```
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US 09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 40
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-40

Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 888 GGAGCTGCGGTACAG 902
DB 17 GGAGGTGCGGTACAG 3

RESULT 206
US-09-818-875-43
; Sequence 43, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US 09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 43
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-43

Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 888 GGAGCTGCGGTACAG 902
DB 2 GGAGGTGCGGTACAG 16

RESULT 207
US-09-818-875-44/c
; Sequence 44, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US 09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 44
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-44

Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 888 GGAGCTGCGGTACAG 902
DB 16 GGAGGTGCGGTACAG 2

RESULT 208
US-09-818-875-3818/c
; Sequence 3818, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US 09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3818
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-3818

Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 CATGTTGCTGACTTT 759
DB 15 CATGTTGCGAGACTTT 1
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RESULT 209
US-09-818-875-3819
; Sequence 3819, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Kamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Stranded Oligonucleotides
; CURRENT APPLICATION NUMBER: US/09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR FILING DATE: 2001-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-06-01
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3819
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-3819

Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 CATGTTGCTGACATTT 759
Db 3 CATGTTGACAGACTTT 17

RESULT 210
US-09-990-726-493
; Sequence 493, Application US/09990726
; Publication No. US20030054359A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: KJavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C16
; CURRENT APPLICATION NUMBER: US/09/990,726
; CURRENT FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
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; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGCGAGCGTCTTG 508

Db 1 GTGGGCGAGCGTCTTG 15

## RESULT 211

US-09-997-559-493  
; Sequence 493, Application US/09997559  
; Publication No. US20030054403A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gershten, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PlC40  
; CURRENT APPLICATION NUMBER: US/09/997,559  
; CURRENT FILING DATE: 2001-11-15  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311



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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
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; PRIOR FILING DATE: 1998-07-09

Query Match          1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. NO. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGACGCGCTTG 508
Db 1 GTGGCAGCGCTTG 15

RESULT 212
US-09-997-601-493
; Sequence 493, Application US/09997601
; Publication No. US20030054404A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
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; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
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; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC36
; CURRENT APPLICATION NUMBER: US/09/997,601
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR APPLICATION NUMBER: 60/091633  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091978  
 ; PRIOR FILING DATE: 1998-07-07  
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 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09  
 Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 494 GTGTGACGCTCTTG 508  
 ||| |||||  
 Db 1 GTGGCAGCGTCTTG 15  
 RESULT 213  
 US-09-990-443-493  
 ; Sequence 493, Application US/09990443  
 ; Publication No. US20030054987A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P2730PIC12  
 ; CURRENT APPLICATION NUMBER: US/09/990,443  
 ; CURRENT FILING DATE: 2001-11-14  
 ; PRIOR APPLICATION NUMBER: 60/049787  
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 ; PRIOR APPLICATION NUMBER: 60/062250  
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; PRIOR FILING DATE: 1998-07-09
Query Match          1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      494 GTGTGACGCGTCTTG 508
Db      1 GTGGCAGCGCTCTTG 15

RESULT 214
US-09-991-854-493
; Sequence 493, Application US/09991854
; Publication No. US20030059780A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary B.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC24
; CURRENT APPLICATION NUMBER: US/09/991,854
; CURRENT FILING DATE: 2001-11-14
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Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 494 GTGTGACGCTCTTG 508

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Db 1 GTGTGACGCTCTTG 15
RESULT 215
US-09-997-628-493
; Sequence 493, Application US/09997628
; Publication No. US20030059782A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Inc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PLC30
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-07  
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; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGAGCGCTCTTG 508  
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Db 1 GTGGGAGCGCTCTTG 15

RESULT 216  
US-09-997-683-493  
; Sequence 493, Application US/095997683

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; Publication No. US20030059783A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
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; APPLICANT: Napier, Mary A.
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; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P27301PC32
; CURRENT APPLICATION NUMBER: US/09/997,683
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; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
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;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090431  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGACGCTCTTG 508  
Db 1 GTGGGACGCTCTTG 15

## RESULT 217

US-09-989-729A-493  
; Sequence 493, Application US/09989729A  
; Publication No. US20030059831A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.

;; APPLICANT: Ferrara, Napoleone  
;; APPLICANT: Fong, Sherman  
;; APPLICANT: Gerber, Hanspeter  
;; APPLICANT: Geritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Grimaldi, J. Christopher  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Kijavini, Ivar J.  
;; APPLICANT: Napier, Mary A.  
;; APPLICANT: Pan, James  
;; APPLICANT: Paoni, Nicholas F.  
;; APPLICANT: Roy, Margaret Ann  
;; APPLICANT: Stewart, Daniel  
;; APPLICANT: Tamas, Daniel  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zenin  
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; TITLE OF INVENTION: Acids Encoding the Same  
;; FILE REFERENCE: P2730P1C59  
;; CURRENT APPLICATION NUMBER: US/09/989,729A  
;; CURRENT FILING DATE: 2001-11-19  
;; PRIOR APPLICATION NUMBER: 60/049787  
;; PRIOR FILING DATE: 1997-06-16  
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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Query Match          1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 494 GTGTGACAGGCTCTTG 508
Db 1 GTGGCAGCGTCTTG 15
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RESULT 218
US-09-997-349-493
; Sequence 493, Application US/09997349
; Publication No. US20030059832A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher

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APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730FIC37  
CURRENT APPLICATION NUMBER: US/09/997,349  
CURRENT FILING DATE: 2001-11-15  
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PRIOR FILING DATE: 1997-06-16  
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PRIOR FILING DATE: 1997-10-17  
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PRIOR FILING DATE: 1997-11-12  
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 ; PRIOR APPLICATION NUMBER: 60/091978  
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 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;

Best Local Similarity 93.3%; Pred. No. 2.7e+02;

Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGACGGCTTTG 508  
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 DB 1 GTGGCAGCGCTTGT 15

RESULT 219

US-09-997-440-493  
 ; Sequence 493, Application US/09997440  
 ; Publication No. US20030059833A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gottard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; TITLE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P27301G31  
 ; CURRENT APPLICATION NUMBER: US/09/997,440  
 ; CURRENT FILING DATE: 2001-11-15  
 ; PRIOR APPLICATION NUMBER: 60/049787  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTCAGCGCTTGG 508  
Db 1 GTGGCAGCGCTTGG 15

## RESULT 220

US-09-990-440-493  
; Sequence 493, Application US/09990440  
; Publication No. US20030060407A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE:	P2730PlC21
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PRIOR APPLICATION NUMBER:	60/049787
PRIOR FILING DATE:	1997-06-16
PRIOR APPLICATION NUMBER:	60/062250
PRIOR FILING DATE:	1997-10-17
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Query Match          1.0%; Score 13.4; DB 1; Length 17;
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Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 1 GTGGGCAGCGCTCTTG 15

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; Publication No. US20030068623A1
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; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
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; APPLICANT: Gurney, Austin L.
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC5
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 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGACGGCTCTTG 508  
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 Db 1 GTGGGACGGCTCTTG 15

RESULT 222

; Sequence 493, Application US/09997542  
 ; Publication No. US20030068647A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
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 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
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 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730PIC26  
 ; CURRENT APPLICATION NUMBER: US/09/997,542  
 ; CURRENT FILING DATE: 2001-11-15  
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 ; PRIOR APPLICATION NUMBER: 60/075945



/	PRIOR FILING DATE:	1998-02-25
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/	PRIOR FILING DATE:	1998-05-28
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/	PRIOR FILING DATE:	1998-06-02
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/	PRIOR FILING DATE:	1998-06-02
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/	PRIOR FILING DATE:	1998-06-16
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 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;

Best Local Similarity 93.3%; Pred. No. 2.7e+02; Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTCAGCGCTCTTG 508  
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 Db 1 GTGGGCAGCGCTCTTG 15

RESULT 223

US-09-993-748-493  
 ; Sequence 493, Application US/09993748  
 ; Publication No. US20030069403A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; TITLE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P2730FIC23  
 ; CURRENT APPLICATION NUMBER: US/09/993,748  
 ; CURRENT FILING DATE: 2001-11-14  
 ; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
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; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTCCAGCGTCTTG 508  
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Db 1 GTGGCGAGCGTCTTG 15

## RESULT 224

US-09-990-439-493  
; Sequence 493, Application US/09990439  
; Publication No. US20030073090A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC52  
; CURRENT APPLICATION NUMBER: US/09/990,439  
; PRIOR FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
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; PRIOR FILING DATE: 1997-10-17  
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; PRIOR FILING DATE: 1998-02-25  
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; PRIOR FILING DATE: 1998-03-20  
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; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759



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Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 494 GTGTCAGCGCTTTG 508
Db 1 GTGGCAGCGCTTTG 15

RESULT 225
US-09-990-427-493
; Sequence 493, Application US/09990427
; Publication No. US20030073809A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Faoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C10
; CURRENT APPLICATION NUMBER: US/09/990,427
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-06-19
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; PRIOR APPLICATION NUMBER: 60/090246
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RESULT 226  
US-09-989-328-493  
; Sequence 493, Application US/09989328  
; Publication NO. US20030077593A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Geritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P27301C54  
; CURRENT APPLICATION NUMBER: US/09/989,328  
; CURRENT FILING DATE: 2001-11-01  
; PRIOR APPLICATION NUMBER: 60/049787  
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; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/087106  
; PRIOR FILING DATE: 1998-05-28  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 532  
; SEQ ID NO 493  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic oligonucleotide probe  
US-09-989-328-493

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGCAGCGCTCTTG 508  
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Db 1 GTGGGACGCTCTTG 15

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGCAGCGCTCTTG 508  
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Db 1 GTGGGACGCTCTTG 15

RESULT 227  
US-09-993-583-493  
; Sequence 493, Application US/09993583  
; Publication No. US20030077594A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC7  
; CURRENT APPLICATION NUMBER: US/09/993,583  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
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; PRIOR APPLICATION NUMBER: 60/065186  
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; PRIOR FILING DATE: 1998-07-09

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Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGGCAGCGCTCTTG 508  
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 Db 1 GTGGCAGCGCTCTTG 15

RESULT 228  
 US-09-941-992-493  
 ; Sequence 493, Application US/09941992  
 ; Publication No. US20030082546A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.

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; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C1
; CURRENT APPLICATION NUMBER: US/09/941,992
; CURRENT FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091978  
 ; PRIOR FILING DATE: 1998-07-07  
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 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGACGGCTTGTG 508  
 Db 1 GTGGGACGGCTTGTG 15

RESULT 229  
 US-09-992-521-493  
 ; Sequence 493, Application US/09992521  
 ; Publication No. US20030083461A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Guiney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C6  
CURRENT APPLICATION NUMBER: US/09/992,521  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
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PRIOR APPLICATION NUMBER: 60/065186  
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 / PRIOR APPLICATION NUMBER: 60/092182  
 / PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGACGCTCTTG 508  
 DB 1 GTGGGACGCTCTTG 15

RESULT 230  
 US-09-997-333-493  
 / Sequence 493, Application US/09997333  
 / Publication No. US20030087304A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Ashkenazi, Avi J.  
 / APPLICANT: Baker, Kevin P.  
 / APPLICANT: Botstein, David  
 / APPLICANT: Desnoyers, Luc  
 / APPLICANT: Eaton, Dan L.  
 / APPLICANT: Ferrara, Napoleone  
 / APPLICANT: Fong, Sherman  
 / APPLICANT: Gerber, Hanspeter  
 / APPLICANT: Gerritsen, Mary E.  
 / APPLICANT: Goddard, Audrey  
 / APPLICANT: Godowski, Paul J.  
 / APPLICANT: Grimaldi, J. Christopher  
 / APPLICANT: Gurney, Austin L.  
 / APPLICANT: Kljavin, Ivar J.  
 / APPLICANT: Napier, Mary A.  
 / APPLICANT: Pan, James

/ APPLICANT: Paoni, Nicholas F.  
 / APPLICANT: Roy, Margaret Ann  
 / APPLICANT: Stewart, Timothy A.  
 / APPLICANT: Tumas, Daniel  
 / APPLICANT: Watanabe, Colin K.  
 / APPLICANT: Williams, P. Mickey  
 / APPLICANT: Wood, William I.  
 / APPLICANT: Zhang, Zemin  
 / TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 / FILE REFERENCE: P2730PIC27  
 / CURRENT APPLICATION NUMBER: US/09/997,333  
 / CURRENT FILING DATE: 2001-11-15  
 / PRIOR APPLICATION NUMBER: 60/049787  
 / PRIOR FILING DATE: 1997-06-16  
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 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
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Qy 494 GTGTGACGCGTCTTG 508  
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 Db 1 GTGGCGACGCGTCTTG 15

RESULT 231

US-09-997-384-493  
 ; Sequence 493, Application US/09997384  
 ; Publication No. US20030087305A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
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 ; APPLICANT: Godowski, Paul J.  
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 ; APPLICANT: Gurney, Austin L.  
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 ; APPLICANT: Napier, Mary A.  
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 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tamas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.



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; PRIOR FILING DATE: 1998-07-09

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Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db      1 GTGGCAGCGCTCTTG 15

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RESULT 232
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; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1546
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1546

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Query Match      1.0%; Score 13.4; DB 1; Length 17;
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QY      525 GCCGGAGGAGCAGCT 539
Db      2 GCCGGAGGAGCAGCU 16

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RESULT 233
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; Sequence 1547, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

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; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1547
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1547

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Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 2.7e+02;
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Db      1 GCCGGAGGAGCAGCU 15

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RESULT 234
US-09-998-041-493
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; Publication No. US20030119001A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730F1C34
; CURRENT APPLICATION NUMBER: US/09/998,041
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR APPLICATION NUMBER: 60/065311
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; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
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; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28

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; PRIOR APPLICATION NUMBER: 60/091978  
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 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGGCAGCGTCCTTG 508  
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 Db 1 GTGGCAGCGTCCTTG 15

RESULT 235

US-09-997-585-493  
 ; Sequence 493, Application US/09997585  
 ; Publication No. US20030119055A1

GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
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 ; APPLICANT: KJavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2730PIC41

; CURRENT APPLICATION NUMBER: US/09/997,585

; CURRENT FILING DATE: 2001-11-15

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066770

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945

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;; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 494 GTGTGACGCTCTTG 508  
DB 1 GTGGCAGCTCTTG 15  
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; Sequence 493, Application US/09997614  
; Publication No. US20030124531A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
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; APPLICANT: Goddard, Audrey  
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; APPLICANT: Grimaldi, J. Christopher  
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; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
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Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGACGCGTCTTG 508  
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## RESULT 237

US-09-989-733-493  
; Sequence 493, Application US/09989733  
; Publication No. US2003028655A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
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; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC68  
; CURRENT APPLICATION NUMBER: US/09/989,733  
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; PRIOR FILING DATE: 1998-05-28  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 532  
; SEQ ID NO 493  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic oligonucleotide probe  
US-09-989-733-493

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 494 GTGTGACGCTCTTG 508  
Db 1 GTGGCAGGCTCTTG 15

## RESULT 238

US-09-992-643-493  
; Sequence 493, Application US/09992643  
; Publication No. US20030228656A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC13  
; CURRENT APPLICATION NUMBER: US/09/992,643  
; CURRENT FILING DATE: 2001-11-01  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/087106  
; PRIOR FILING DATE: 1998-05-28  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 532  
; SEQ ID NO 493  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic oligonucleotide probe  
US-09-992-643-493

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
Best Local Similarity 93.3%; Pred. No. 2.7e+02;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 494 GTGTGACGCTCTTG 508  
Db 1 GTGGCAGGCTCTTG 15

RESULT 239  
 US-09-989-862-493  
 Sequence 493, Application US/09989862  
 Publication No. US20030130182A1  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi J.  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan L.  
 APPLICANT: Ferrara, Napoleone  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Kljavin, Ivar J.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James  
 APPLICANT: Paoni, Nicholas P.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K.  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 TITLE OF INVENTION: Acids Encoding the Same  
 FILE REFERENCE: P2730F1C58  
 CURRENT APPLICATION NUMBER: US/09/989,862  
 CURRENT FILING DATE: 2001-11-19  
 PRIOR APPLICATION NUMBER: 60/049787  
 PRIOR FILING DATE: 1997-06-16  
 PRIOR APPLICATION NUMBER: 60/062250  
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 PRIOR APPLICATION NUMBER: 60/066770  
 PRIOR FILING DATE: 1997-11-24  
 PRIOR APPLICATION NUMBER: 60/075945  
 PRIOR FILING DATE: 1998-02-25  
 PRIOR APPLICATION NUMBER: 60/078910  
 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: 60/083322  
 PRIOR FILING DATE: 1998-04-28  
 PRIOR APPLICATION NUMBER: 60/084600  
 PRIOR FILING DATE: 1998-05-07  
 PRIOR APPLICATION NUMBER: 60/087106  
 PRIOR FILING DATE: 1998-05-28  
 PRIOR APPLICATION NUMBER: 60/087607  
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 PRIOR APPLICATION NUMBER: 60/087609  
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 PRIOR APPLICATION NUMBER: 60/090252  
 PRIOR FILING DATE: 1998-06-22  
 PRIOR APPLICATION NUMBER: 60/090254  
 PRIOR FILING DATE: 1998-06-22



APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C71  
CURRENT APPLICATION NUMBER: US/09/989,725  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
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PRIOR APPLICATION NUMBER: 60/089907  
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; PRIOR APPLICATION NUMBER: 60/090557  
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 ; PRIOR FILING DATE: 1998-06-26  
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 ; PRIOR APPLICATION NUMBER: 60/091360  
 ; PRIOR FILING DATE: 1998-07-01  
 ; PRIOR APPLICATION NUMBER: 60/091478  
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 ; PRIOR APPLICATION NUMBER: 60/091633  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091978  
 ; PRIOR FILING DATE: 1998-07-07  
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 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;  
 Best Local Similarity 93.3%; Prod. No. 2.7e+02;

Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGAGCGCTCTGTG 508  
 Db 1 GTGGGAGCGCTCTGTG 15

RESULT 243  
 US-09-997-529-493  
 ; Sequence 493, Application US/09997529  
 ; Publication No. US20030134284A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730PIC33  
 ; CURRENT APPLICATION NUMBER: US/09/997,529  
 ; CURRENT FILING DATE: 2001-11-15  
 ; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
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;; PRIOR APPLICATION NUMBER: 60/090435  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090444  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090445  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090472  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090535  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090678  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090690

;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 1.0%; Score 13.4; DB 1; Length 17;

Best Local Similarity 93.3%; Pred. No. 2.7e+02; Mismatches 1; Indels 0; Gaps 0;

Qy 494 GTGTGACGCGCTTGTG 508  
Db 1 GTGGGACGCGCTTGTG 15

RESULT 244

US-10-238-700-297/c  
; Sequence 297, Application US/10238700  
; Publication No. US20030153521A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc.  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Le  
; FILE REFERENCE: 400/057 (MHB01-1158-A)  
; CURRENT APPLICATION NUMBER: US/10/238,700  
; CURRENT FILING DATE: 2002-09-18  
; PRIOR APPLICATION NUMBER: PCT/US 02/16840  
; PRIOR FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: US 60/319,471  
; PRIOR FILING DATE: 2001-09-10  
; NUMBER OF SEQ ID NOS: 4666  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 297  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-238-700-297

Query Match 1.0%; Score 13.4; DB 1; Length 17;

Best Local Similarity 93.3%; Pred. No. 2.7e+02; Mismatches 1; Indels 0; Gaps 0;

Qy 77 ATGAATATAGCACT 91  
Db 17 ATGAATATAGCACT 3

RESULT 245

US-10-238-700-1284



```

; Sequence 1284, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1284
; TYPE: RNA
; LENGTH: 17
; ORGANISM: Homo sapiens
US-10-238-700-1284

Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 281 AGGAAGCAGCAGCAA 295
DB 1 AGGAGCAGCAGCAA 15

RESULT 246
US-10-238-700-2999/c
; Sequence 2999, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2999
; TYPE: RNA
; LENGTH: 17
; ORGANISM: Homo sapiens
US-10-238-700-2999

Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1293 TGCTCAGCCTGGCCC 1307
DB 16 TGCTCAGCCTGGCCC 2

RESULT 247
US-10-238-700-3336
; Sequence 3336, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18

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; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3336
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-3336

Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 11; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 231 GCCTCAGGCTCTGC 245
DB 2 GCCTCAGGCTCTGC 16

RESULT 248
US-10-061-201-494/c
; Sequence 494, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 494
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-494

Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 631 CTCGAGGCTCTGC 645
DB 17 CTCGAGGCTCTGC 3

RESULT 249
US-10-061-201-495/c
; Sequence 495, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:

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; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 495
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-495

Query Match
Best Local Similarity 1.0%; Score 13.4; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 631 CTCGAGGAGCTCTGC 645
DB 15 CTCGCGAGCTCTGC 1

RESULT 250
US-10-061-201-1265/c
; Sequence 1265, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1265
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-061-201-1265

Query Match
Best Local Similarity 1.0%; Score 13.4; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 TGGGCTGGGTGATCA 277
DB 16 TGGGCTGGGTGATCA 2

RESULT 252
US-10-210-951-180
; Sequence 180, Application US/10210951
; Publication No. US20030170228A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
```

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; APPLICANT: Marsters, Scot A.
; APPLICANT: Pan, James
; APPLICANT: Patti, Robert M.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stone, Donna M.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMOR
; FILE REFERENCE: P293IR1C1
; CURRENT APPLICATION NUMBER: US/10/210,951
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 60/014699
; PRIOR FILING DATE: 1996-04-01
; PRIOR APPLICATION NUMBER: 60/026943
; PRIOR FILING DATE: 1996-09-23
; PRIOR APPLICATION NUMBER: 60/059121
; PRIOR FILING DATE: 1997-07-17
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/062037
; PRIOR FILING DATE: 1997-10-10
; PRIOR APPLICATION NUMBER: 60/063755
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063045
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063046
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/066511
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 258
; SEQ ID NO 180
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide Probe.
US-10-210-951-180

Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGCAGCGCTCTTG 508
Db 1 GTGGGCAGCGCTCTTG 15

RESULT 253
US-10-211-884-180
; Sequence 180, Application US/10211884
; Publication No. US20030175900A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Marsters, Scot A.
; APPLICANT: Pan, James
; APPLICANT: Pitti, Robert M.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stone, Donna M.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMOR
; FILE REFERENCE: P293IR1C1
; CURRENT APPLICATION NUMBER: US/10/211,884
; CURRENT FILING DATE: 2002-08-02
```

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; PRIOR APPLICATION NUMBER: 60/014699
; PRIOR FILING DATE: 1996-04-01
; PRIOR APPLICATION NUMBER: 60/026943
; PRIOR FILING DATE: 1996-09-23
; PRIOR APPLICATION NUMBER: 60/059121
; PRIOR FILING DATE: 1997-07-17
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/062037
; PRIOR FILING DATE: 1997-10-10
; PRIOR APPLICATION NUMBER: 60/063755
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063045
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063046
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/066511
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 258
; SEQ ID NO 180
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide Probe.
US-10-211-884-180

Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 494 GTGTGCAGCGCTCTTG 508
Db 1 GTGGGCAGCGCTCTTG 15

RESULT 254
US-10-339-793-137/c
; Sequence 137, Application US/10339793
; Publication No. US20030180764A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Shang, Jin
; APPLICANT: Bowen, Benjamin
; TITLE OF INVENTION: GENES AFFECTED BY CHOLESTEROL TREATMENT AND DURING ADIPOGENESIS
; FILE REFERENCE: 37-000310US
; CURRENT APPLICATION NUMBER: US/10/339,793
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 443
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 137
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-793-137

Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 984 AGTCCCATTCAGATC 998
Db 15 AGCCCATTCAGATC 1

RESULT 255
US-10-230-006-61
; Sequence 61, Application US/10230006
; Publication No. US20030191077A1
; GENERAL INFORMATION:
```

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; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Fosnaugh, Kathy
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDIT
; FILE REFERENCE: 400/056 (MEH801-1110)
; CURRENT APPLICATION NUMBER: US/10/230,006
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 61
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-61

Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 80.0%; Pred. No. 2.7e+02;
Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 253 ACCGACCTCCTGGGC 267
Db 1 ACCGGCCUCCUGGC 15

RESULT 256
US-10-230-006-575
; Sequence 575, Application US/10230006
; Publication No. US20030191077A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Fosnaugh, Kathy
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDIT
; FILE REFERENCE: 400/056 (MEH801-1110)
; CURRENT APPLICATION NUMBER: US/10/230,006
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 2678
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 575
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-575

Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 80.0%; Pred. No. 2.7e+02;
Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 253 ACCGACCTCCTGGGC 267
Db 2 ACCGGCCUCCUGGC 16

RESULT 257
US-10-209-787-35
; Sequence 35, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kniec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176

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; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 35
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-35

Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 888 GGAGCTGCGGTACAG 902
Db 1 GGAGGTGCGGTACAG 15

RESULT 258
US-10-209-787-36/c
; Sequence 36, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kniec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 36
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-36

Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 888 GGAGCTGCGGTACAG 902
Db 17 GGAGGTGCGGTACAG 3

RESULT 259
US-10-209-787-39
; Sequence 39, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kniec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

```

```
/ TITLE OF INVENTION: Stranded Oligonucleotides
/ FILE REFERENCE: Napro-4
/ CURRENT APPLICATION NUMBER: US/10/209,787
/ CURRENT FILING DATE: 2002-07-30
/ PRIOR APPLICATION NUMBER: US 09/818,875
/ PRIOR FILING DATE: 2001-03-27
/ PRIOR APPLICATION NUMBER: US 60/192,176
/ PRIOR FILING DATE: 2000-03-27
/ PRIOR APPLICATION NUMBER: US 60/192,179
/ PRIOR FILING DATE: 2000-03-27
/ PRIOR APPLICATION NUMBER: US 60/208,538
/ PRIOR FILING DATE: 2000-06-01
/ PRIOR APPLICATION NUMBER: US 60/244,989
/ PRIOR FILING DATE: 2000-10-30
/ NUMBER OF SEQ ID NOS: 4385
/ SOFTWARE: Friedman macro Napro4
/ SEQ ID NO 39
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-209-787-39
```

```
Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 888 GGAGCTCGGTACAG 902
Db 1 GGAGTGGGTACAG 15
```

## RESULT 260

US-10-209-787-40/c

```
/ Sequence 40, Application US/10209787
/ Publication No. US20030217377A1
/ GENERAL INFORMATION:
/ APPLICANT: Kmiec, Eric B.
/ APPLICANT: Gamper, Howard B.
/ TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
/ FILE REFERENCE: Napro-4
/ CURRENT APPLICATION NUMBER: US/10/209,787
/ CURRENT FILING DATE: 2002-07-30
/ PRIOR APPLICATION NUMBER: US 09/818,875
/ PRIOR FILING DATE: 2001-03-27
/ PRIOR APPLICATION NUMBER: US 60/192,176
/ PRIOR FILING DATE: 2000-03-27
/ PRIOR APPLICATION NUMBER: US 60/192,179
/ PRIOR FILING DATE: 2000-03-27
/ PRIOR APPLICATION NUMBER: US 60/208,538
/ PRIOR FILING DATE: 2000-06-01
/ PRIOR APPLICATION NUMBER: US 60/244,989
/ PRIOR FILING DATE: 2000-10-30
/ NUMBER OF SEQ ID NOS: 4385
/ SOFTWARE: Friedman macro Napro4
/ SEQ ID NO 40
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-209-787-40
```

```
Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 888 GGAGTGGGTACAG 902
Db 17 GGAGTGGGTACAG 3
```

## RESULT 261

US-10-209-787-43

```
/ Sequence 43, Application US/10209787
/ Publication No. US20030217377A1
/ GENERAL INFORMATION:
/ APPLICANT: Kmiec, Eric B.
/ APPLICANT: Gamper, Howard B.
/ APPLICANT: Rice, Michael C.
/ TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
/ FILE REFERENCE: Napro-4
/ CURRENT APPLICATION NUMBER: US/10/209,787
/ CURRENT FILING DATE: 2002-07-30
/ PRIOR APPLICATION NUMBER: US 09/818,875
/ PRIOR FILING DATE: 2001-03-27
/ PRIOR APPLICATION NUMBER: US 60/192,176
/ PRIOR FILING DATE: 2000-03-27
/ PRIOR APPLICATION NUMBER: US 60/192,179
/ PRIOR FILING DATE: 2000-03-27
/ PRIOR APPLICATION NUMBER: US 60/208,538
/ PRIOR FILING DATE: 2000-06-01
/ PRIOR APPLICATION NUMBER: US 60/244,989
/ PRIOR FILING DATE: 2000-10-30
/ NUMBER OF SEQ ID NOS: 4385
/ SOFTWARE: Friedman macro Napro4
/ SEQ ID NO 43
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-209-787-43
```

```
Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 888 GGAGTGGGTACAG 902
Db 2 GGAGTGGGTACAG 16
```

## RESULT 262

US-10-209-787-44/c

```
/ Sequence 44, Application US/10209787
/ Publication No. US20030217377A1
/ GENERAL INFORMATION:
/ APPLICANT: Kmiec, Eric B.
/ APPLICANT: Gamper, Howard B.
/ APPLICANT: Rice, Michael C.
/ TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
/ FILE REFERENCE: Napro-4
/ CURRENT APPLICATION NUMBER: US/10/209,787
/ CURRENT FILING DATE: 2002-07-30
/ PRIOR APPLICATION NUMBER: US 09/818,875
/ PRIOR FILING DATE: 2001-03-27
/ PRIOR APPLICATION NUMBER: US 60/192,176
/ PRIOR FILING DATE: 2000-03-27
/ PRIOR APPLICATION NUMBER: US 60/192,179
/ PRIOR FILING DATE: 2000-03-27
/ PRIOR APPLICATION NUMBER: US 60/208,538
/ PRIOR FILING DATE: 2000-06-01
/ PRIOR APPLICATION NUMBER: US 60/244,989
/ PRIOR FILING DATE: 2000-10-30
/ NUMBER OF SEQ ID NOS: 4385
/ SOFTWARE: Friedman macro Napro4
/ SEQ ID NO 44
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-209-787-44
```

```
Query Match 1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```

QY      888 GGAGCTGCGGTACAG 902
Db      16 GGAGGTGCGGTACAG 2
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RESULT 263
US-10-209-787-3818/c
; Sequence 3818, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamber, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3818
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-3818
Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 CATGTTGCTGACTTT 759
Db      15 CATGTTGCTGACTTT 1
||||| ||||| ||||| ||||| |||||
RESULT 264
US-10-209-787-3819
; Sequence 3819, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamber, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3819
; LENGTH: 17
; TYPE: DNA
US-10-209-787-3819
Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

; ORGANISM: Homo sapiens
US-10-209-787-3819
Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 CATGTTGCTGACTTT 759
Db      3 CATGTTGCTGACTTT 17
||||| ||||| ||||| ||||| |||||
RESULT 265
US-10-219-538-493
; Sequence 493, Application US/10219538
; Publication No. US20030219856A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: KJavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C73
; CURRENT APPLICATION NUMBER: US/10/219,538
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: US 09/941,992
; PRIOR FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: PCT/US00/08439
; PRIOR FILING DATE: 2000-03-30
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: US 09/380,137
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: US 60/141,037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: US 60/092,182
; PRIOR FILING DATE: 1998-07-09
; NUMBER OF SEQ ID NOS: 532
; SEQ ID NO 493
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-219-538-493
Query Match      1.0%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      494 GTGTGACGGCTTTG 508
Db      1 GTGGGACGGCTTTG 15
||||| ||||| ||||| ||||| |||||
RESULT 266
US-10-060-756A-383
; Sequence 383, Application US/10060756A
; Publication No. US20030046717A1

```

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: January 8, 2004, 16:34:45 ; Search time 19 Seconds

(without alignments)  
1.837 Million cell updates/sec

Title: us-09-904-568-3

Perfect score: 1355

Sequence: 1 gggcaggcagttgagtgga.....gtgttcaggcagggcccg 1355

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 0.5

Searched: 720 seqs, 12878 residues

Total number of hits satisfying chosen parameters: 1440

Minimum DB seq length: 12

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 726 summaries

Database : rge3.seq\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	22	1.6	22	1	AR224958
2	22	1.6	22	1	AR224958
3	20	1.5	20	1	AR224958
4	18.2	1.3	25	1	AR224958
5	18.2	1.3	25	1	AR224958
6	18.2	1.3	25	1	AR224958
7	17.8	1.3	25	1	AR224958
8	17.8	1.3	25	1	AR224958
9	17.6	1.3	25	1	AR224958
10	17.6	1.3	25	1	AR224958
11	17.6	1.3	25	1	AR224958
12	17.6	1.3	25	1	AR224958
13	16.8	1.2	21	1	AR224958
14	16.8	1.2	21	1	AR224958
15	16.8	1.2	21	1	AR224958
16	16.8	1.2	21	1	AR224958
17	16.4	1.2	21	1	AR224958
18	16.4	1.2	21	1	AR224958
19	16.4	1.2	21	1	AR224958
20	16.4	1.2	21	1	AR224958
21	16.2	1.2	21	1	AR224958
22	16.2	1.2	21	1	AR224958
23	16.2	1.2	21	1	AR224958
24	16.2	1.2	21	1	AR224958
25	16	1.2	17	1	AR224958
26	16	1.2	17	1	AR224958
27	15.8	1.2	20	1	AR224958
28	15.8	1.2	20	1	AR224958
29	15.8	1.2	20	1	AR224958
30	15.8	1.2	20	1	AR224958
31	15.8	1.2	20	1	AR224958
32	15.8	1.2	20	1	AR224958
33	15.8	1.2	20	1	AR224958

1	15.8	1.2	20	1	AR224958
2	15.8	1.2	20	1	AR224958
3	15.8	1.2	20	1	AR224958
4	15.8	1.2	20	1	AR224958
5	15.8	1.2	20	1	AR224958
6	15.8	1.2	20	1	AR224958
7	15.8	1.2	20	1	AR224958
8	15.8	1.2	20	1	AR224958
9	15.8	1.2	20	1	AR224958
10	15.8	1.2	20	1	AR224958
11	15.8	1.2	20	1	AR224958
12	15.8	1.2	20	1	AR224958
13	15.8	1.2	20	1	AR224958
14	15.8	1.2	20	1	AR224958
15	15.8	1.2	20	1	AR224958
16	15.8	1.2	20	1	AR224958
17	15.8	1.2	20	1	AR224958
18	15.8	1.2	20	1	AR224958
19	15.8	1.2	20	1	AR224958
20	15.8	1.2	20	1	AR224958
21	15.8	1.2	20	1	AR224958
22	15.8	1.2	20	1	AR224958
23	15.8	1.2	20	1	AR224958
24	15.8	1.2	20	1	AR224958
25	15.8	1.2	20	1	AR224958
26	15.8	1.2	20	1	AR224958
27	15.8	1.2	20	1	AR224958
28	15.8	1.2	20	1	AR224958
29	15.8	1.2	20	1	AR224958
30	15.8	1.2	20	1	AR224958
31	15.8	1.2	20	1	AR224958
32	15.8	1.2	20	1	AR224958
33	15.8	1.2	20	1	AR224958

1	15.8	1.2	20	1	AR224958
2	15.8	1.2	20	1	AR224958
3	15.8	1.2	20	1	AR224958
4	15.8	1.2	20	1	AR224958
5	15.8	1.2	20	1	AR224958
6	15.8	1.2	20	1	AR224958
7	15.8	1.2	20	1	AR224958
8	15.8	1.2	20	1	AR224958
9	15.8	1.2	20	1	AR224958
10	15.8	1.2	20	1	AR224958
11	15.8	1.2	20	1	AR224958
12	15.8	1.2	20	1	AR224958
13	15.8	1.2	20	1	AR224958
14	15.8	1.2	20	1	AR224958
15	15.8	1.2	20	1	AR224958
16	15.8	1.2	20	1	AR224958
17	15.8	1.2	20	1	AR224958
18	15.8	1.2	20	1	AR224958
19	15.8	1.2	20	1	AR224958
20	15.8	1.2	20	1	AR224958
21	15.8	1.2	20	1	AR224958
22	15.8	1.2	20	1	AR224958
23	15.8	1.2	20	1	AR224958
24	15.8	1.2	20	1	AR224958
25	15.8	1.2	20	1	AR224958
26	15.8	1.2	20	1	AR224958
27	15.8	1.2	20	1	AR224958
28	15.8	1.2	20	1	AR224958
29	15.8	1.2	20	1	AR224958
30	15.8	1.2	20	1	AR224958
31	15.8	1.2	20	1	AR224958
32	15.8	1.2	20	1	AR224958
33	15.8	1.2	20	1	AR224958

C 107	14.4	1.1	18	1	AR171472	ACCSSION:AR171472	180	14	1.0	20	1	AR059007	ACCSSION:AR059007
C 108	14.4	1.1	18	1	AR171643	ACCSSION:AR171643	C 181	14	1.0	20	1	AR295559	ACCSSION:AR295559
C 109	14.4	1.1	18	1	AX427085	ACCSSION:AX427085	C 182	14	1.0	20	1	AR304363	ACCSSION:AR304363
C 110	14.4	1.1	18	1	BD104495	ACCSSION:BD104495	C 183	14	1.0	20	1	AX193676	ACCSSION:AX193676
C 111	14.4	1.1	19	1	AX082063	ACCSSION:AX082063	C 184	14	1.0	20	1	AX293574	ACCSSION:AX293574
C 112	14.4	1.1	19	1	AX082065	ACCSSION:AX082065	C 185	14	1.0	20	1	AX295621	ACCSSION:AX295621
C 113	14.4	1.1	19	1	AX427086	ACCSSION:AX427086	C 186	14	1.0	20	1	AX427293	ACCSSION:AX427293
C 114	14.4	1.1	19	1	AX706670	ACCSSION:AX706670	C 187	14	1.0	20	1	BD015231	ACCSSION:BD015231
C 115	14.4	1.1	19	1	AX706671	ACCSSION:AX706671	C 188	14	1.0	20	1	E08868	ACCSSION:E08868
C 116	14.4	1.1	19	1	AX707600	ACCSSION:AX707600	C 189	13.8	1.0	17	1	AR010206	ACCSSION:AR010206
C 117	14.4	1.1	19	1	AX707601	ACCSSION:AX707601	C 190	13.8	1.0	17	1	AR047236	ACCSSION:AR047236
C 118	14.4	1.1	20	1	AI7234	ACCSSION:AI7234	C 191	13.8	1.0	17	1	AR098727	ACCSSION:AR098727
C 119	14.4	1.1	20	1	AR027617	ACCSSION:AR027617	C 192	13.8	1.0	17	1	AR286312	ACCSSION:AR286312
C 120	14.4	1.1	20	1	AR130886	ACCSSION:AR130886	C 193	13.8	1.0	17	1	AX010682	ACCSSION:AX010682
C 121	14.4	1.1	20	1	AR142677	ACCSSION:AR142677	C 194	13.8	1.0	17	1	AX074458	ACCSSION:AX074458
C 122	14.4	1.1	20	1	AR230980	ACCSSION:AR230980	C 195	13.8	1.0	17	1	AX092631	ACCSSION:AX092631
C 123	14.4	1.1	20	1	AX027830	ACCSSION:AX027830	C 196	13.8	1.0	17	1	AX217714	ACCSSION:AX217714
C 124	14.4	1.1	20	1	BD138122	ACCSSION:BD138122	C 197	13.8	1.0	17	1	AX264483	ACCSSION:AX264483
C 125	14.4	1.1	20	1	E28096	ACCSSION:E28096	C 198	13.8	1.0	17	1	AX264484	ACCSSION:AX264484
C 126	14.4	1.1	20	1	E58956	ACCSSION:E58956	C 199	13.8	1.0	17	1	AX272822	ACCSSION:AX272822
C 127	14.4	1.1	20	1	I78497	ACCSSION:I78497	C 200	13.8	1.0	17	1	AX422669	ACCSSION:AX422669
C 128	14.4	1.1	20	1	I79512	ACCSSION:I79512	C 201	13.8	1.0	17	1	AX423330	ACCSSION:AX423330
C 129	14.2	1.0	19	1	AR147800	ACCSSION:AR147800	C 202	13.8	1.0	17	1	AX423645	ACCSSION:AX423645
C 130	14.2	1.0	19	1	BD178777	ACCSSION:BD178777	C 203	13.8	1.0	17	1	AX475190	ACCSSION:AX475190
C 131	14.2	1.0	20	1	A62818	ACCSSION:A62818	C 204	13.8	1.0	17	1	AX531751	ACCSSION:AX531751
C 132	14.2	1.0	20	1	AR067069	ACCSSION:AR067069	C 205	13.8	1.0	17	1	AX531752	ACCSSION:AX531752
C 133	14.2	1.0	20	1	AR073812	ACCSSION:AR073812	C 206	13.8	1.0	17	1	AX531753	ACCSSION:AX531753
C 134	14.2	1.0	20	1	AR082613	ACCSSION:AR082613	C 207	13.8	1.0	17	1	AX531754	ACCSSION:AX531754
C 135	14.2	1.0	20	1	AR086110	ACCSSION:AR086110	C 208	13.8	1.0	17	1	AX531755	ACCSSION:AX531755
C 136	14.2	1.0	20	1	AR116542	ACCSSION:AR116542	C 209	13.8	1.0	17	1	AX531757	ACCSSION:AX531757
C 137	14.2	1.0	20	1	AR120995	ACCSSION:AR120995	C 210	13.8	1.0	17	1	AX579223	ACCSSION:AX579223
C 138	14.2	1.0	20	1	AR121047	ACCSSION:AR121047	C 211	13.8	1.0	17	1	AX579976	ACCSSION:AX579976
C 139	14.2	1.0	20	1	AR129648	ACCSSION:AR129648	C 212	13.8	1.0	17	1	AX671569	ACCSSION:AX671569
C 140	14.2	1.0	20	1	AR229037	ACCSSION:AR229037	C 213	13.8	1.0	17	1	AX671632	ACCSSION:AX671632
C 141	14.2	1.0	20	1	AR232357	ACCSSION:AR232357	C 214	13.8	1.0	17	1	AX687555	ACCSSION:AX687555
C 142	14.2	1.0	20	1	AR261676	ACCSSION:AR261676	C 215	13.8	1.0	17	1	AX690655	ACCSSION:AX690655
C 143	14.2	1.0	20	1	AR294481	ACCSSION:AR294481	C 216	13.8	1.0	17	1	AX692662	ACCSSION:AX692662
C 144	14.2	1.0	20	1	AR299883	ACCSSION:AR299883	C 217	13.8	1.0	17	1	AX729329	ACCSSION:AX729329
C 145	14.2	1.0	20	1	AR300301	ACCSSION:AR300301	C 218	13.8	1.0	17	1	AX729717	ACCSSION:AX729717
C 146	14.2	1.0	20	1	AX056718	ACCSSION:AX056718	C 219	13.8	1.0	17	1	BD000130	ACCSSION:BD000130
C 147	14.2	1.0	20	1	AX089272	ACCSSION:AX089272	C 220	13.8	1.0	17	1	BD067177	ACCSSION:BD067177
C 148	14.2	1.0	20	1	AX167947	ACCSSION:AX167947	C 221	13.8	1.0	17	1	BD067805	ACCSSION:BD067805
C 149	14.2	1.0	20	1	AX167955	ACCSSION:AX167955	C 222	13.8	1.0	17	1	E35686	ACCSSION:E35686
C 150	14.2	1.0	20	1	AX296192	ACCSSION:AX296192	C 223	13.8	1.0	17	1	I43322	ACCSSION:I43322
C 151	14.2	1.0	20	1	AX298904	ACCSSION:AX298904	C 224	13.8	1.0	17	1	I54288	ACCSSION:I54288
C 152	14.2	1.0	20	1	AX377027	ACCSSION:AX377027	C 225	13.8	1.0	17	1	I95825	ACCSSION:I95825
C 153	14.2	1.0	20	1	AX511559	ACCSSION:AX511559	C 226	13.8	1.0	18	1	A40561	ACCSSION:A40561
C 154	14.2	1.0	20	1	AX742820	ACCSSION:AX742820	C 227	13.8	1.0	18	1	A89086	ACCSSION:A89086
C 155	14.2	1.0	20	1	BD074699	ACCSSION:BD074699	C 228	13.8	1.0	18	1	AR070882	ACCSSION:AR070882
C 156	14.2	1.0	20	1	BD090593	ACCSSION:BD090593	C 229	13.8	1.0	18	1	AR134123	ACCSSION:AR134123
C 157	14.2	1.0	20	1	BD090702	ACCSSION:BD090702	C 230	13.8	1.0	18	1	AR196118	ACCSSION:AR196118
C 158	14.2	1.0	20	1	BD097485	ACCSSION:BD097485	C 231	13.8	1.0	18	1	AR232841	ACCSSION:AR232841
C 159	14.2	1.0	20	1	BD174235	ACCSSION:BD174235	C 232	13.8	1.0	18	1	AR233564	ACCSSION:AR233564
C 160	14.2	1.0	20	1	E13188	ACCSSION:E13188	C 233	13.8	1.0	18	1	AR292992	ACCSSION:AR292992
C 161	14.2	1.0	20	1	E37452	ACCSSION:E37452	C 234	13.8	1.0	18	1	AX030136	ACCSSION:AX030136
C 162	14.2	1.0	20	1	E40056	ACCSSION:E40056	C 235	13.8	1.0	18	1	AX092632	ACCSSION:AX092632
C 163	14.2	1.0	20	1	E40864	ACCSSION:E40864	C 236	13.8	1.0	18	1	AX100693	ACCSSION:AX100693
C 164	14.2	1.0	20	1	E43410	ACCSSION:E43410	C 237	13.8	1.0	18	1	AX250346	ACCSSION:AX250346
C 165	14.2	1.0	20	1	I18763	ACCSSION:I18763	C 238	13.8	1.0	18	1	AX259209	ACCSSION:AX259209
C 166	14.2	1.0	20	1	AX672817	ACCSSION:AX672817	C 239	13.8	1.0	18	1	AX316457	ACCSSION:AX316457
C 167	14.2	1.0	20	1	AX672484	ACCSSION:AX672484	C 240	13.8	1.0	18	1	AX556571	ACCSSION:AX556571
C 168	14.2	1.0	20	1	AX687585	ACCSSION:AX687585	C 241	13.8	1.0	18	1	AX718774	ACCSSION:AX718774
C 169	14.2	1.0	20	1	AX687589	ACCSSION:AX687589	C 242	13.8	1.0	18	1	BD066599	ACCSSION:BD066599
C 170	14.2	1.0	20	1	AX688105	ACCSSION:AX688105	C 243	13.8	1.0	19	1	BOVDIK13	ACCSSION:BOVDIK13
C 171	14.2	1.0	20	1	AX688106	ACCSSION:AX688106	C 244	13.8	1.0	19	1	AR019564	ACCSSION:AR019564
C 172	14.2	1.0	20	1	AX688107	ACCSSION:AX688107	C 245	13.8	1.0	19	1	AR029157	ACCSSION:AR029157
C 173	14.2	1.0	20	1	AX688108	ACCSSION:AX688108	C 246	13.8	1.0	19	1	AR036541	ACCSSION:AR036541
C 174	14.2	1.0	20	1	AX690593	ACCSSION:AX690593	C 247	13.8	1.0	19	1	AR096074	ACCSSION:AR096074
C 175	14.2	1.0	20	1	AX690597	ACCSSION:AX690597	C 248	13.8	1.0	19	1	AR109525	ACCSSION:AR109525
C 176	14.2	1.0	20	1	AR123497	ACCSSION:AR123497	C 249	13.8	1.0	19	1	AR111930	ACCSSION:AR111930
C 177	14.2	1.0	20	1	AX123200	ACCSSION:AX123200	C 250	13.8	1.0	19	1	AR124827	ACCSSION:AR124827
C 178	14.2	1.0	20	1	AX129201	ACCSSION:AX129201	C 251	13.8	1.0	19	1	AR135275	ACCSSION:AR135275
C 179	14.2	1.0	20	1	AX129201	ACCSSION:AX129201	C 252	13.8	1.0	19	1	AR141345	ACCSSION:AR141345



C 253	13.8	1.0	19	1	AR148186	ACCESSION:AR148186	326	13.4	1.0	19	1	AR230749	ACCESSION:AR230749
C 254	13.8	1.0	19	1	AR179524	ACCESSION:AR179524	C 327	13.4	1.0	19	1	AX352891	ACCESSION:AX352891
C 255	13.8	1.0	19	1	AR212307	ACCESSION:AR212307	C 328	13.4	1.0	19	1	AX362736	ACCESSION:AX362736
C 256	13.8	1.0	19	1	AR217038	ACCESSION:AR217038	C 329	13.4	1.0	19	1	AX643313	ACCESSION:AX643313
C 257	13.8	1.0	19	1	AR221437	ACCESSION:AR221437	C 330	13.4	1.0	19	1	AX643316	ACCESSION:AX643316
C 258	13.8	1.0	19	1	AR240864	ACCESSION:AR240864	C 331	13.4	1.0	19	1	AX699142	ACCESSION:AX699142
C 259	13.8	1.0	19	1	AR240876	ACCESSION:AR240876	C 332	13.4	1.0	19	1	AX700717	ACCESSION:AX700717
C 260	13.8	1.0	19	1	AX004623	ACCESSION:AX004623	C 333	13.4	1.0	19	1	BD096500	ACCESSION:BD096500
C 261	13.8	1.0	19	1	AX131128	ACCESSION:AX131128	C 334	13.4	1.0	19	1	I43919	ACCESSION:I43919
C 262	13.8	1.0	19	1	AX201281	ACCESSION:AX201281	C 335	13.4	1.0	19	1	I62921	ACCESSION:I62921
C 263	13.8	1.0	19	1	AX643312	ACCESSION:AX643312	C 336	13.4	1.0	19	1	I88674	ACCESSION:I88674
C 264	13.8	1.0	19	1	AX643315	ACCESSION:AX643315	C 337	13.4	1.0	19	1	MMTC4F3	ACCESSION:MMTC4F3
C 265	13.8	1.0	19	1	I55696	ACCESSION:I55696	C 338	13.2	1.0	18	1	AR112529	ACCESSION:AR112529
C 266	13.8	1.0	19	1	I76473	ACCESSION:I76473	C 339	13.2	1.0	18	1	AR121114	ACCESSION:AR121114
C 267	13.6	1.0	21	1	AR224969	ACCESSION:AR224969	C 340	13.2	1.0	18	1	AR187495	ACCESSION:AR187495
C 268	13.6	1.0	21	1	AX039751	ACCESSION:AX039751	C 341	13.2	1.0	18	1	AR188966	ACCESSION:AR188966
C 269	13.4	1.0	15	1	A02494	ACCESSION:A02494	C 342	13.2	1.0	18	1	AR192905	ACCESSION:AR192905
C 270	13.4	1.0	15	1	A10674	ACCESSION:A10674	C 343	13.2	1.0	18	1	AR202005	ACCESSION:AR202005
C 271	13.4	1.0	15	1	AX139176	ACCESSION:AX139176	C 344	13.2	1.0	18	1	AR211095	ACCESSION:AR211095
C 272	13.4	1.0	15	1	BD013460	ACCESSION:BD013460	C 345	13.2	1.0	18	1	AR231296	ACCESSION:AR231296
C 273	13.4	1.0	17	1	AR252725	ACCESSION:AR252725	C 346	13.2	1.0	18	1	AR294304	ACCESSION:AR294304
C 274	13.4	1.0	17	1	AX201501	ACCESSION:AX201501	C 347	13.2	1.0	18	1	AX009054	ACCESSION:AX009054
C 275	13.4	1.0	17	1	AX262644	ACCESSION:AX262644	C 348	13.2	1.0	18	1	AX114414	ACCESSION:AX114414
C 276	13.4	1.0	17	1	AX262645	ACCESSION:AX262645	C 349	13.2	1.0	18	1	AX147861	ACCESSION:AX147861
C 277	13.4	1.0	17	1	AX262648	ACCESSION:AX262648	C 350	13.2	1.0	18	1	AX226473	ACCESSION:AX226473
C 278	13.4	1.0	17	1	AX262649	ACCESSION:AX262649	C 351	13.2	1.0	18	1	AX282820	ACCESSION:AX282820
C 279	13.4	1.0	17	1	AX262652	ACCESSION:AX262652	C 352	13.2	1.0	18	1	AX57992	ACCESSION:AX57992
C 280	13.4	1.0	17	1	AX262653	ACCESSION:AX262653	C 353	13.2	1.0	18	1	AX521910	ACCESSION:AX521910
C 281	13.4	1.0	17	1	AX266427	ACCESSION:AX266427	C 354	13.2	1.0	18	1	AX554246	ACCESSION:AX554246
C 282	13.4	1.0	17	1	AX266428	ACCESSION:AX266428	C 355	13.2	1.0	18	1	AX590584	ACCESSION:AX590584
C 283	13.4	1.0	17	1	AX403606	ACCESSION:AX403606	C 356	13.2	1.0	18	1	AX599245	ACCESSION:AX599245
C 284	13.4	1.0	17	1	AX422720	ACCESSION:AX422720	C 357	13.2	1.0	18	1	AX599246	ACCESSION:AX599246
C 285	13.4	1.0	17	1	AX422721	ACCESSION:AX422721	C 358	13.2	1.0	18	1	AX599819	ACCESSION:AX599819
C 286	13.4	1.0	17	1	AX423646	ACCESSION:AX423646	C 359	13.2	1.0	18	1	AX599820	ACCESSION:AX599820
C 287	13.4	1.0	17	1	AX499076	ACCESSION:AX499076	C 360	13.2	1.0	18	1	AX599821	ACCESSION:AX599821
C 288	13.4	1.0	17	1	AX499077	ACCESSION:AX499077	C 361	13.2	1.0	18	1	AX599822	ACCESSION:AX599822
C 289	13.4	1.0	17	1	AX499078	ACCESSION:AX499078	C 362	13.2	1.0	18	1	AX601190	ACCESSION:AX601190
C 290	13.4	1.0	17	1	AX530985	ACCESSION:AX530985	C 363	13.2	1.0	18	1	AX708070	ACCESSION:AX708070
C 291	13.4	1.0	17	1	AX530986	ACCESSION:AX530986	C 364	13.2	1.0	18	1	AX718771	ACCESSION:AX718771
C 292	13.4	1.0	17	1	AX530987	ACCESSION:AX530987	C 365	13.2	1.0	18	1	BD064468	ACCESSION:BD064468
C 293	13.4	1.0	17	1	AX531756	ACCESSION:AX531756	C 366	13.2	1.0	18	1	BD082178	ACCESSION:BD082178
C 294	13.4	1.0	17	1	AX579224	ACCESSION:AX579224	C 367	13.2	1.0	18	1	BD088488	ACCESSION:BD088488
C 295	13.4	1.0	17	1	AX648753	ACCESSION:AX648753	C 368	13.2	1.0	18	1	I40172	ACCESSION:I40172
C 296	13.4	1.0	17	1	AX648754	ACCESSION:AX648754	C 369	13.2	1.0	18	1	I40173	ACCESSION:I40173
C 297	13.4	1.0	17	1	AX648755	ACCESSION:AX648755	C 370	13.2	1.0	18	1	HSRTEP016	ACCESSION:HSRTEP016
C 298	13.4	1.0	17	1	AX693203	ACCESSION:AX693203	C 371	13.2	1.0	20	1	AL7234	ACCESSION:AL7234
C 299	13.4	1.0	17	1	AX693204	ACCESSION:AX693204	C 372	13.2	1.0	20	1	AR027617	ACCESSION:AR027617
C 300	13.4	1.0	17	1	AX693205	ACCESSION:AX693205	C 373	13	1.0	15	1	AX636077	ACCESSION:AX636077
C 301	13.4	1.0	17	1	AX727414	ACCESSION:AX727414	C 374	13	1.0	15	1	I61757	ACCESSION:I61757
C 302	13.4	1.0	17	1	AX733233	ACCESSION:AX733233	C 375	13	1.0	17	1	AR014264	ACCESSION:AR014264
C 303	13.4	1.0	17	1	AX733988	ACCESSION:AX733988	C 376	13	1.0	17	1	AR302290	ACCESSION:AR302290
C 304	13.4	1.0	17	1	AX735372	ACCESSION:AX735372	C 377	13	1.0	17	1	AX361147	ACCESSION:AX361147
C 305	13.4	1.0	17	1	AX736910	ACCESSION:AX736910	C 378	13	1.0	17	1	AX499074	ACCESSION:AX499074
C 306	13.4	1.0	18	1	A26386	ACCESSION:A26386	C 379	13	1.0	17	1	AX499075	ACCESSION:AX499075
C 307	13.4	1.0	18	1	AR087097	ACCESSION:AR087097	C 380	13	1.0	17	1	AX687584	ACCESSION:AX687584
C 308	13.4	1.0	18	1	AR096634	ACCESSION:AR096634	C 381	13	1.0	17	1	AX687590	ACCESSION:AX687590
C 309	13.4	1.0	18	1	AR106763	ACCESSION:AR106763	C 382	13	1.0	17	1	AX688104	ACCESSION:AX688104
C 310	13.4	1.0	18	1	AR134170	ACCESSION:AR134170	C 383	13	1.0	17	1	AX688109	ACCESSION:AX688109
C 311	13.4	1.0	18	1	AR160830	ACCESSION:AR160830	C 384	13	1.0	17	1	AX690592	ACCESSION:AX690592
C 312	13.4	1.0	18	1	AX080166	ACCESSION:AX080166	C 385	13	1.0	17	1	AX690598	ACCESSION:AX690598
C 313	13.4	1.0	18	1	AX080169	ACCESSION:AX080169	C 386	13	1.0	17	1	AX726504	ACCESSION:AX726504
C 314	13.4	1.0	18	1	AX106688	ACCESSION:AX106688	C 387	13	1.0	17	1	AX737849	ACCESSION:AX737849
C 315	13.4	1.0	18	1	AX164295	ACCESSION:AX164295	C 388	13	1.0	17	1	BD067164	ACCESSION:BD067164
C 316	13.4	1.0	18	1	AX427087	ACCESSION:AX427087	C 389	13	1.0	17	1	BD144764	ACCESSION:BD144764
C 317	13.4	1.0	18	1	AX599642	ACCESSION:AX599642	C 390	13	1.0	17	1	I26888	ACCESSION:I26888
C 318	13.4	1.0	18	1	AX710932	ACCESSION:AX710932	C 391	13	1.0	17	1	I73171	ACCESSION:I73171
C 319	13.4	1.0	18	1	BD010073	ACCESSION:BD010073	C 392	13	1.0	17	1	I91629	ACCESSION:I91629
C 320	13.4	1.0	18	1	BD001502	ACCESSION:BD001502	C 393	13	1.0	18	1	DOG43402	ACCESSION:DOG43402
C 321	13.4	1.0	18	1	E32451	ACCESSION:E32451	C 394	13	1.0	18	1	AL7235	ACCESSION:AL7235
C 322	13.4	1.0	18	1	S83625	ACCESSION:S83625	C 395	13	1.0	18	1	AL7407	ACCESSION:AL7407
C 323	13.4	1.0	19	1	AR021368	ACCESSION:AR021368	C 396	13	1.0	18	1	AR002274	ACCESSION:AR002274
C 324	13.4	1.0	19	1	AR042930	ACCESSION:AR042930	C 397	13	1.0	18	1	AR027618	ACCESSION:AR027618
C 325	13.4	1.0	19	1	AR161238	ACCESSION:AR161238	C 398	13	1.0	18	1	AR053125	ACCESSION:AR053125

399	13	1.0	18	1	AR085593	ACCESSION:AR085593	472	12.8	0.9	17	1	AX674420	ACCESSION:AX674420
400	13	1.0	18	1	AR297049	ACCESSION:AR297049	473	12.8	0.9	17	1	AX687431	ACCESSION:AX687431
C 401	13	1.0	18	1	AX378610	ACCESSION:AX378610	474	12.8	0.9	17	1	AX687432	ACCESSION:AX687432
402	13	1.0	18	1	BD096968	ACCESSION:BD096968	475	12.8	0.9	17	1	AX687554	ACCESSION:AX687554
C 403	12.8	0.9	16	1	A57738	ACCESSION:A57738	476	12.8	0.9	17	1	AX687556	ACCESSION:AX687556
404	12.8	0.9	16	1	AX359760	ACCESSION:AX359760	477	12.8	0.9	17	1	AX687640	ACCESSION:AX687640
C 405	12.8	0.9	16	1	AX663407	ACCESSION:AX663407	478	12.8	0.9	17	1	AX687641	ACCESSION:AX687641
406	12.8	0.9	16	1	BD145086	ACCESSION:BD145086	C 479	12.8	0.9	17	1	AX687648	ACCESSION:AX687648
407	12.8	0.9	16	1	BD166093	ACCESSION:BD166093	C 480	12.8	0.9	17	1	AX687649	ACCESSION:AX687649
408	12.8	0.9	17	1	AR039807	ACCESSION:AR039807	C 481	12.8	0.9	17	1	AX690654	ACCESSION:AX690654
409	12.8	0.9	17	1	AR039873	ACCESSION:AR039873	C 482	12.8	0.9	17	1	AX690656	ACCESSION:AX690656
410	12.8	0.9	17	1	AR045627	ACCESSION:AR045627	C 483	12.8	0.9	17	1	AX690685	ACCESSION:AX690685
411	12.8	0.9	17	1	AR047238	ACCESSION:AR047238	484	12.8	0.9	17	1	AX690686	ACCESSION:AX690686
C 412	12.8	0.9	17	1	AR057523	ACCESSION:AR057523	485	12.8	0.9	17	1	AX692527	ACCESSION:AX692527
C 413	12.8	0.9	17	1	AR057733	ACCESSION:AR057733	486	12.8	0.9	17	1	AX692528	ACCESSION:AX692528
414	12.8	0.9	17	1	AR091870	ACCESSION:AR091870	C 487	12.8	0.9	17	1	AX692661	ACCESSION:AX692661
C 415	12.8	0.9	17	1	AR115281	ACCESSION:AR115281	C 488	12.8	0.9	17	1	AX692663	ACCESSION:AX692663
C 416	12.8	0.9	17	1	AR115491	ACCESSION:AR115491	489	12.8	0.9	17	1	AX722347	ACCESSION:AX722347
C 417	12.8	0.9	17	1	AR157778	ACCESSION:AR157778	490	12.8	0.9	17	1	AX722347	ACCESSION:AX722347
C 418	12.8	0.9	17	1	AR188886	ACCESSION:AR188886	C 491	12.8	0.9	17	1	AX722491	ACCESSION:AX722491
419	12.8	0.9	17	1	AR192436	ACCESSION:AR192436	C 492	12.8	0.9	17	1	AX722931	ACCESSION:AX722931
420	12.8	0.9	17	1	AR195610	ACCESSION:AR195610	C 493	12.8	0.9	17	1	AX725749	ACCESSION:AX725749
421	12.8	0.9	17	1	AR196421	ACCESSION:AR196421	C 494	12.8	0.9	17	1	AX727907	ACCESSION:AX727907
422	12.8	0.9	17	1	AR286016	ACCESSION:AR286016	495	12.8	0.9	17	1	AX729823	ACCESSION:AX729823
C 423	12.8	0.9	17	1	AX217713	ACCESSION:AX217713	C 496	12.8	0.9	17	1	AX729852	ACCESSION:AX729852
C 424	12.8	0.9	17	1	AX218185	ACCESSION:AX218185	497	12.8	0.9	17	1	AX730009	ACCESSION:AX730009
C 425	12.8	0.9	17	1	AX266451	ACCESSION:AX266451	498	12.8	0.9	17	1	AX731190	ACCESSION:AX731190
426	12.8	0.9	17	1	AX266452	ACCESSION:AX266452	499	12.8	0.9	17	1	AX731637	ACCESSION:AX731637
427	12.8	0.9	17	1	AX266703	ACCESSION:AX266703	C 500	12.8	0.9	17	1	AX731808	ACCESSION:AX731808
C 428	12.8	0.9	17	1	AX266704	ACCESSION:AX266704	C 501	12.8	0.9	17	1	AX732100	ACCESSION:AX732100
429	12.8	0.9	17	1	AX272956	ACCESSION:AX272956	C 502	12.8	0.9	17	1	AX733260	ACCESSION:AX733260
C 430	12.8	0.9	17	1	AX273048	ACCESSION:AX273048	503	12.8	0.9	17	1	AX733554	ACCESSION:AX733554
C 431	12.8	0.9	17	1	AX273142	ACCESSION:AX273142	504	12.8	0.9	17	1	AX733723	ACCESSION:AX733723
C 432	12.8	0.9	17	1	AX324733	ACCESSION:AX324733	505	12.8	0.9	17	1	BD067612	ACCESSION:BD067612
C 433	12.8	0.9	17	1	AX324734	ACCESSION:AX324734	506	12.8	0.9	17	1	BD104458	ACCESSION:BD104458
C 434	12.8	0.9	17	1	AX324749	ACCESSION:AX324749	507	12.8	0.9	17	1	BD104949	ACCESSION:BD104949
435	12.8	0.9	17	1	AX324750	ACCESSION:AX324750	508	12.8	0.9	17	1	BD105040	ACCESSION:BD105040
436	12.8	0.9	17	1	AX422141	ACCESSION:AX422141	509	12.8	0.9	17	1	BD105056	ACCESSION:BD105056
437	12.8	0.9	17	1	AX422668	ACCESSION:AX422668	510	12.8	0.9	17	1	BD105105	ACCESSION:BD105105
C 438	12.8	0.9	17	1	AX422670	ACCESSION:AX422670	511	12.8	0.9	17	1	152679	ACCESSION:152679
C 439	12.8	0.9	17	1	AX423116	ACCESSION:AX423116	512	12.8	0.9	17	1	154290	ACCESSION:154290
C 440	12.8	0.9	17	1	AX423597	ACCESSION:AX423597	513	12.8	0.9	18	1	A07991	ACCESSION:A07991
C 441	12.8	0.9	17	1	AX423644	ACCESSION:AX423644	514	12.8	0.9	18	1	A42230	ACCESSION:A42230
C 442	12.8	0.9	17	1	AX475189	ACCESSION:AX475189	C 515	12.8	0.9	18	1	A44527	ACCESSION:A44527
C 443	12.8	0.9	17	1	AX475191	ACCESSION:AX475191	516	12.8	0.9	18	1	A63090	ACCESSION:A63090
C 444	12.8	0.9	17	1	AX500509	ACCESSION:AX500509	517	12.8	0.9	18	1	AR039073	ACCESSION:AR039073
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 ORGANISM Unknown.  
 Unclassified.  
 REFERENCE 1 (bases 1 to 22)  
 AUTHORS Herrnstadt, C., Ghosh, S.S., Cleverger, W., Fahy, B.D. and Davis, R.E.  
 TITLE Diagnostic method based on quantification of extramitochondrial DNA  
 JOURNAL Patent: US 6441149-A 65 27-AUG-2002;  
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 AX039675  
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 linear PAT 18-NOV-2000

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 KEYWORDS  
 SOURCE synthetic construct  
 ORGANISM synthetic construct  
 REFERENCE 1  
 AUTHORS Herrnstadt, C. and Davis, R.E.  
 TITLE Single nucleotide polymorphisms in mitochondrial genes that segregate with Alzheimer's disease  
 JOURNAL Patent: WO 0063441-A 64 26-OCT-2000;  
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 SOURCE synthetic construct  
 ORGANISM synthetic construct  
 REFERENCE 1  
 AUTHORS Herrnstadt, C. and Davis, R.E.  
 TITLE Single nucleotide polymorphisms in mitochondrial genes that segregate with Alzheimer's disease  
 JOURNAL Patent: WO 0063441-A 219 26-OCT-2000;  
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ORGANISM Homo sapiens
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AUTHORS Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
TITLE Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
JOURNAL Shannon, M.
HUMAN POSH-LIKE PROTEIN 1
PATENT: EP 1239051-A 3327 11-SEP-2002;
Aeomica, Inc. (US)
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ACCESSION AR078136
VERSION AR078136.1 GI:10004882
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 24)
AUTHORS Kilburn, D.G.; Miller, R.C.; Warren, R.A.J. and Gilkes, N.R.
TITLE Polysaccharide binding fusion proteins and conjugates
JOURNAL Patent: US 5962289-A 16 05-OCT-1999;
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DEFINITION Sequence 205 from Patent WO0065088.
ACCESSION AX042639
VERSION AX042639.1 GI:11341247
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Ulfendahl, P.J. and Wong, K.C.
TITLE Primers for identifying typing or classifying nucleic acids
JOURNAL Patent: WO 0065088-A 205 02-NOV-2000;

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Amersham Pharmacia Biotech AB (SE)
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LOCUS AX043100 25 bp DNA linear PAT 23-NOV-2000
DEFINITION Sequence 666 from Patent WO0065088.
ACCESSION AX043100
VERSION AX043100.1 GI:11341708
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Ulfendahl, P.J. and Wong, K.C.
TITLE Primers for identifying typing or classifying nucleic acids
JOURNAL Patent: WO 0065088-A 666 02-NOV-2000;
Amersham Pharmacia Biotech AB (SE)
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DEFINITION Sequence 293 from Patent WO0224747.
ACCESSION AX040467
VERSION AX040467.1 GI:21437748
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Brinkmann, U. and Hoffmeyer, S.
TITLE Polymorphisms in human genes of cardiovascular regulators and their
use in diagnostic and therapeutic applications
JOURNAL Patent: WO 0224747-A 293 28-MAR-2002;
Epidauros Biotechnologie AG (DE)
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